

10 →

12

FIG. 1

10 →

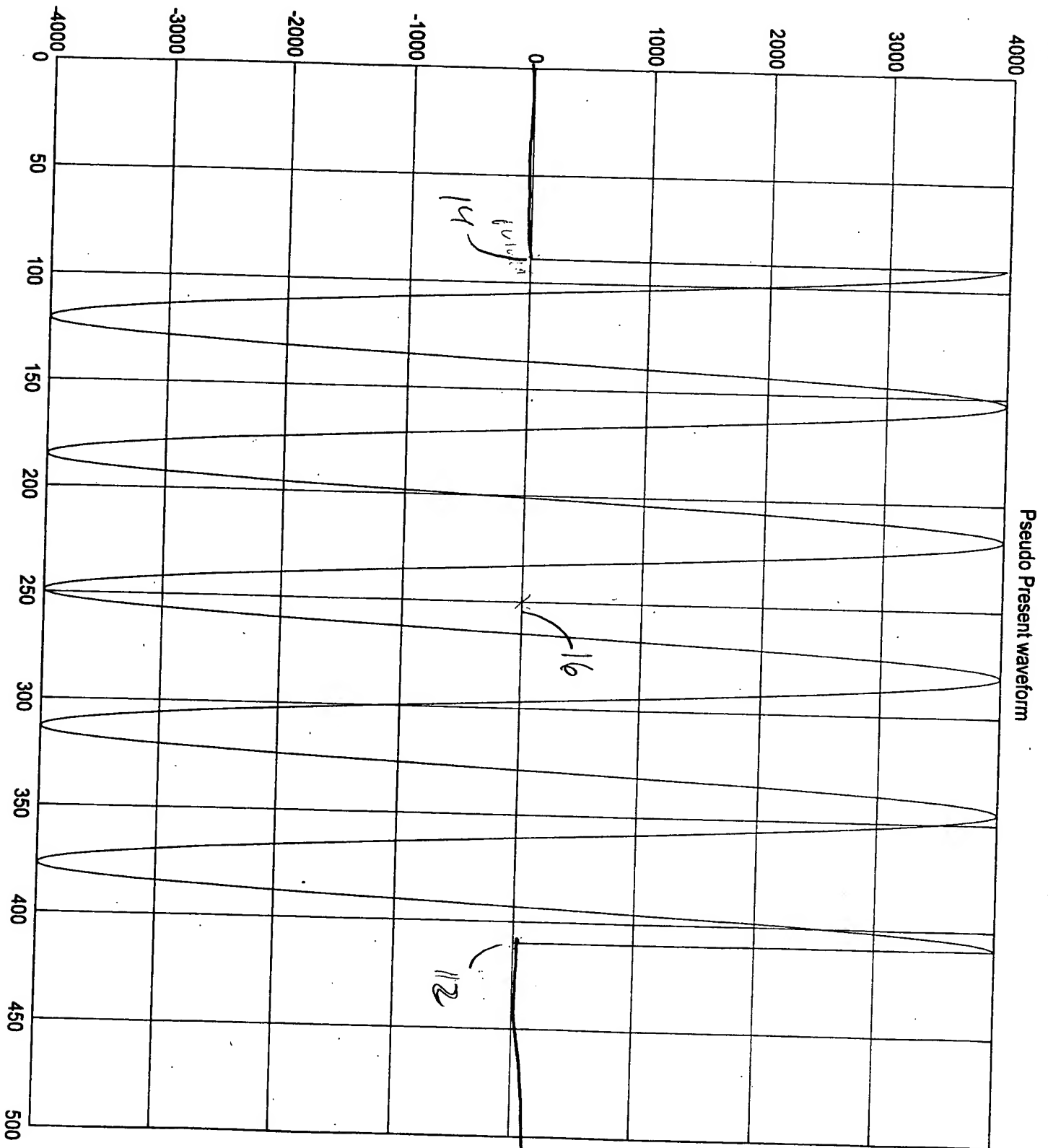
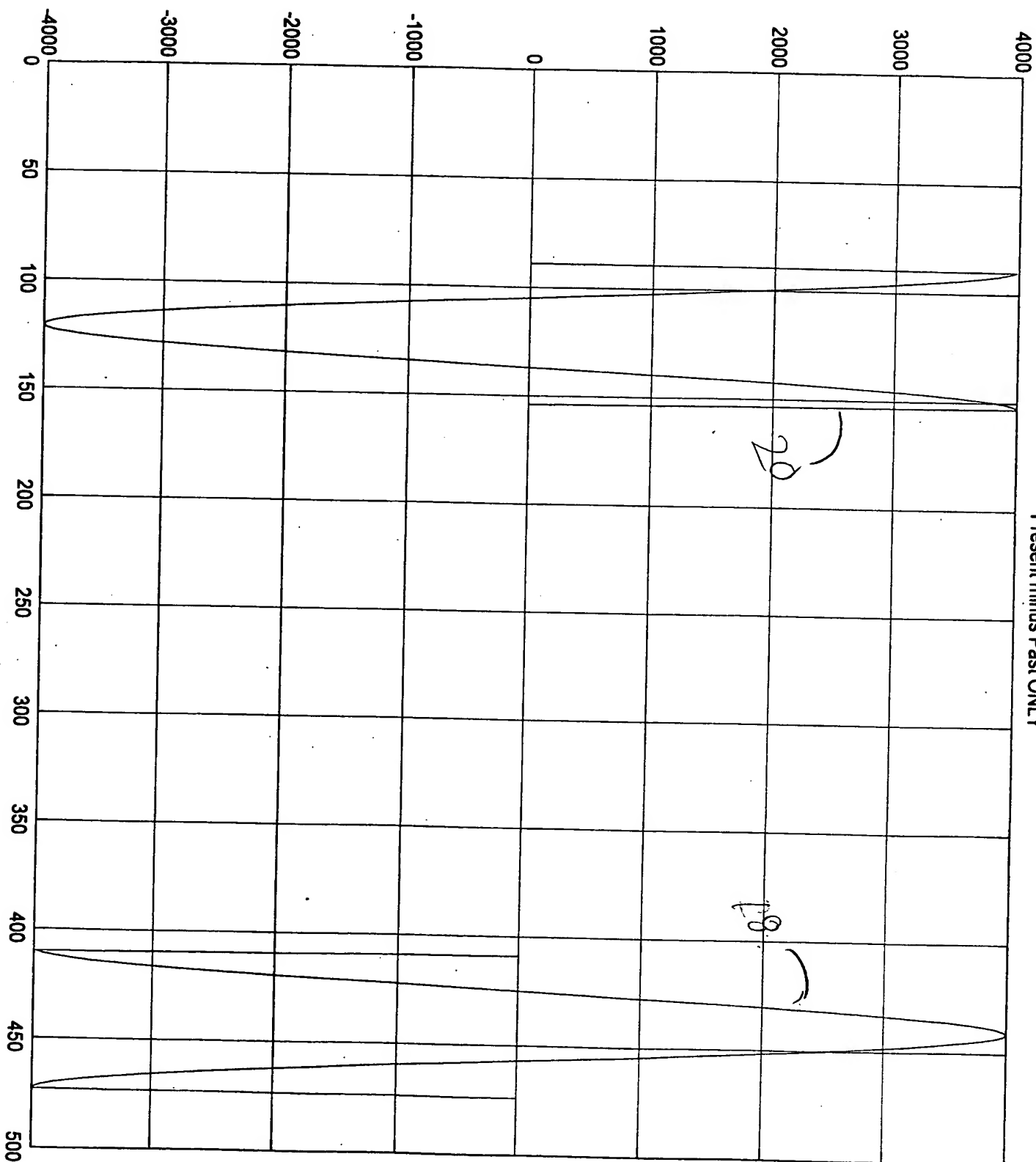


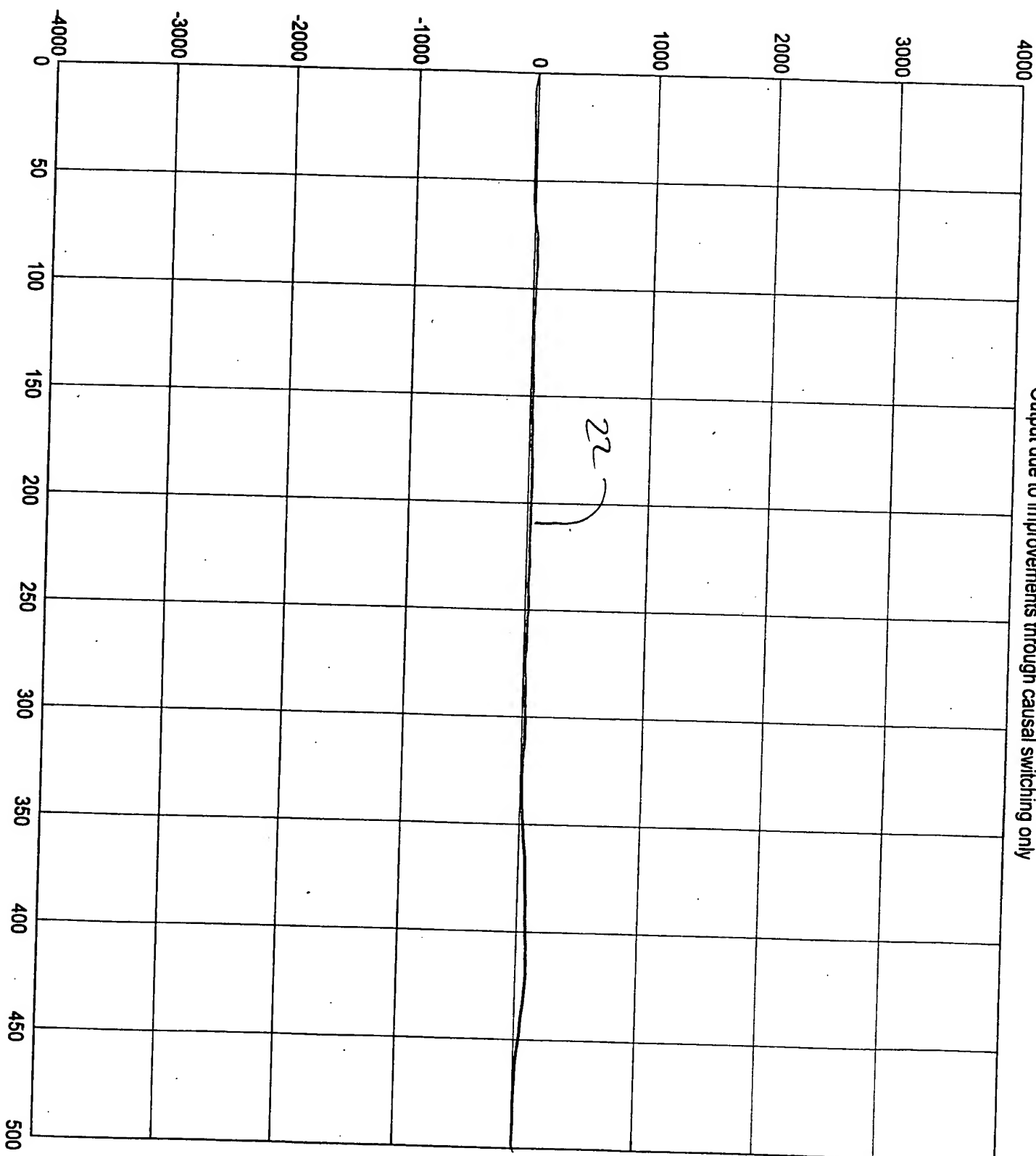
Fig. 2

Present minus Past ONLY



F/G.3

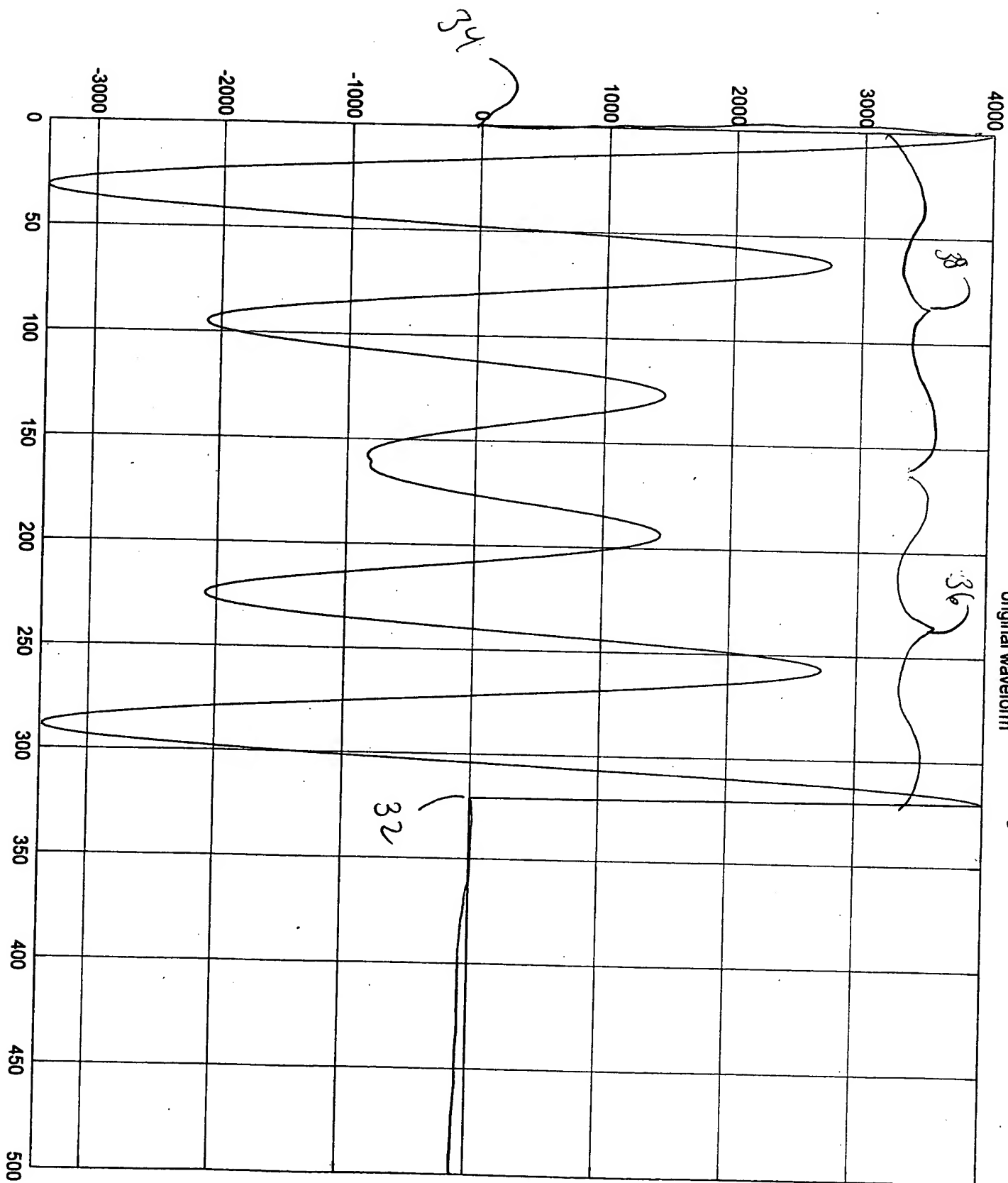
Output due to improvements through causal switching only



F16.9

original waveform

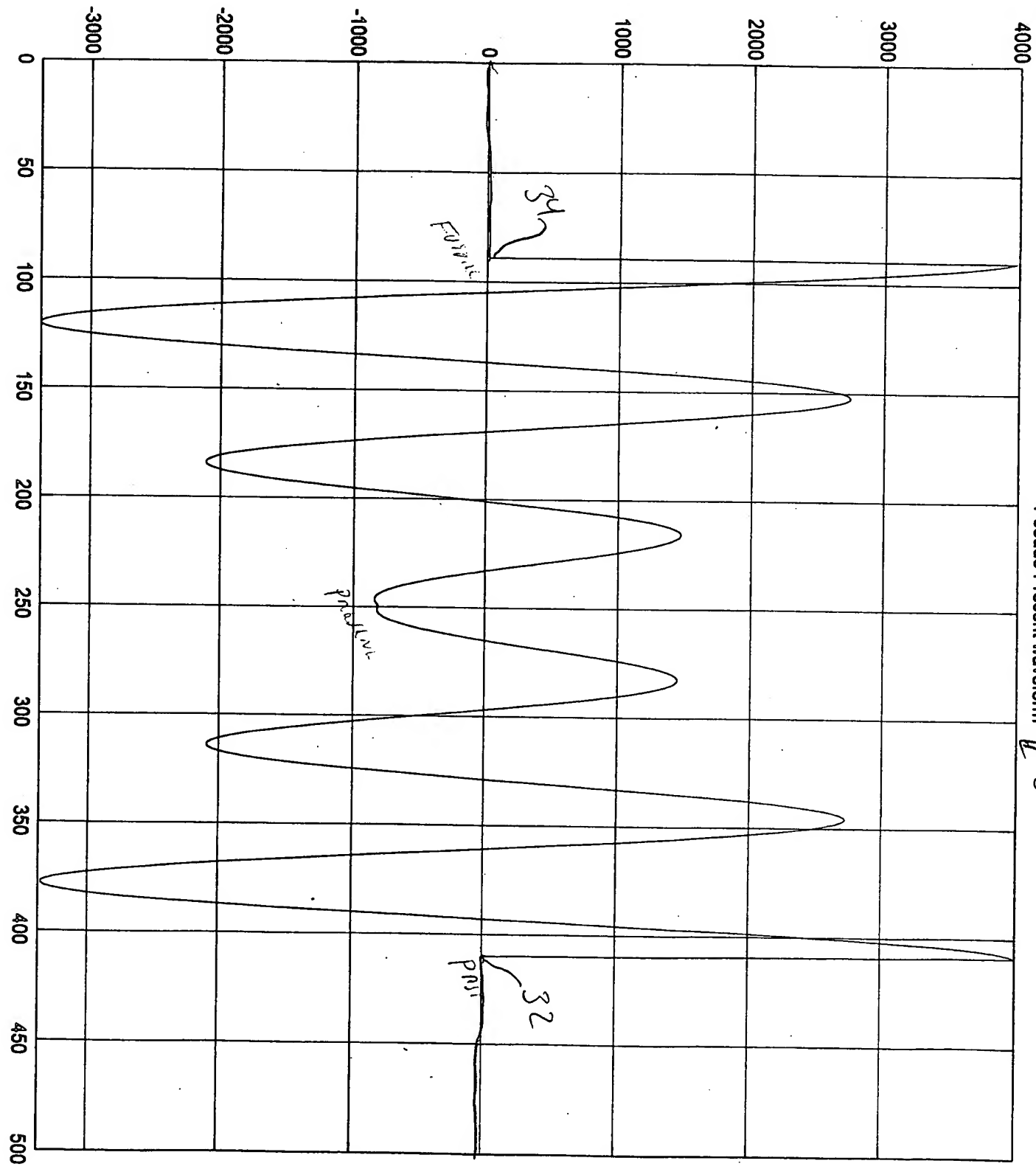
← 30



F16.5

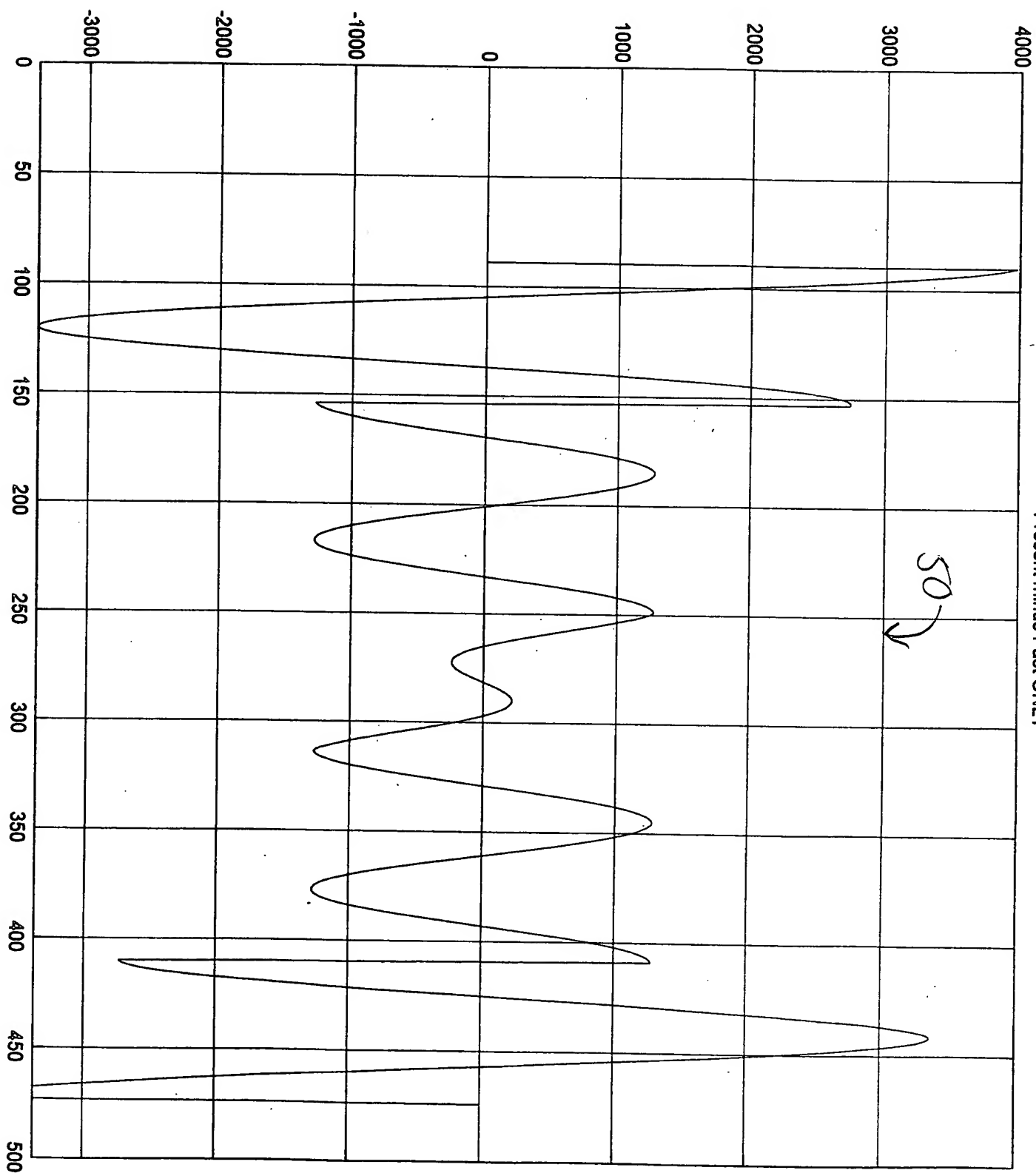
Pseudo Present waveform

30



F16.6

Present minus Past ONLY



50

F16.7

Output due to improvements through causal switching only

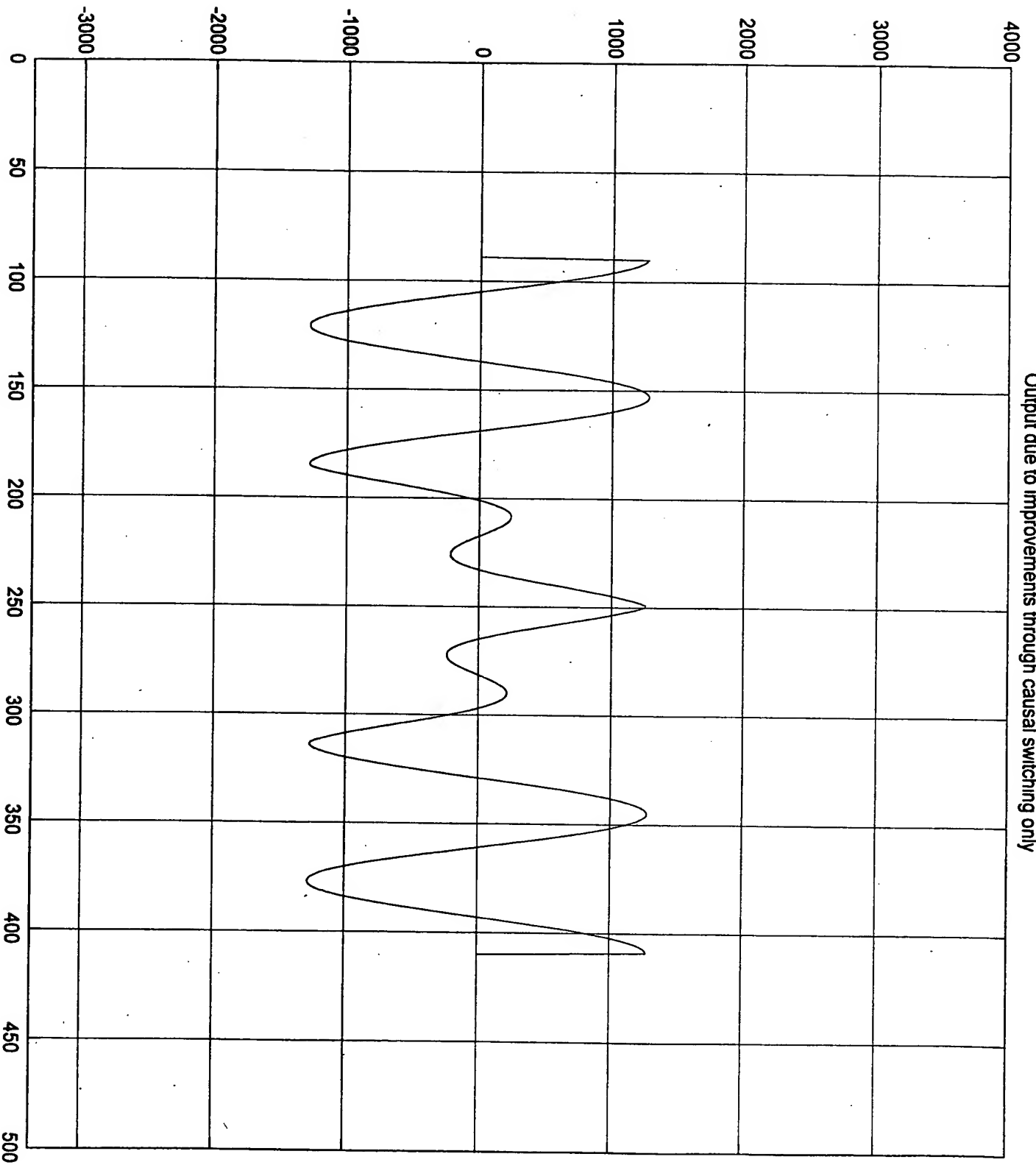
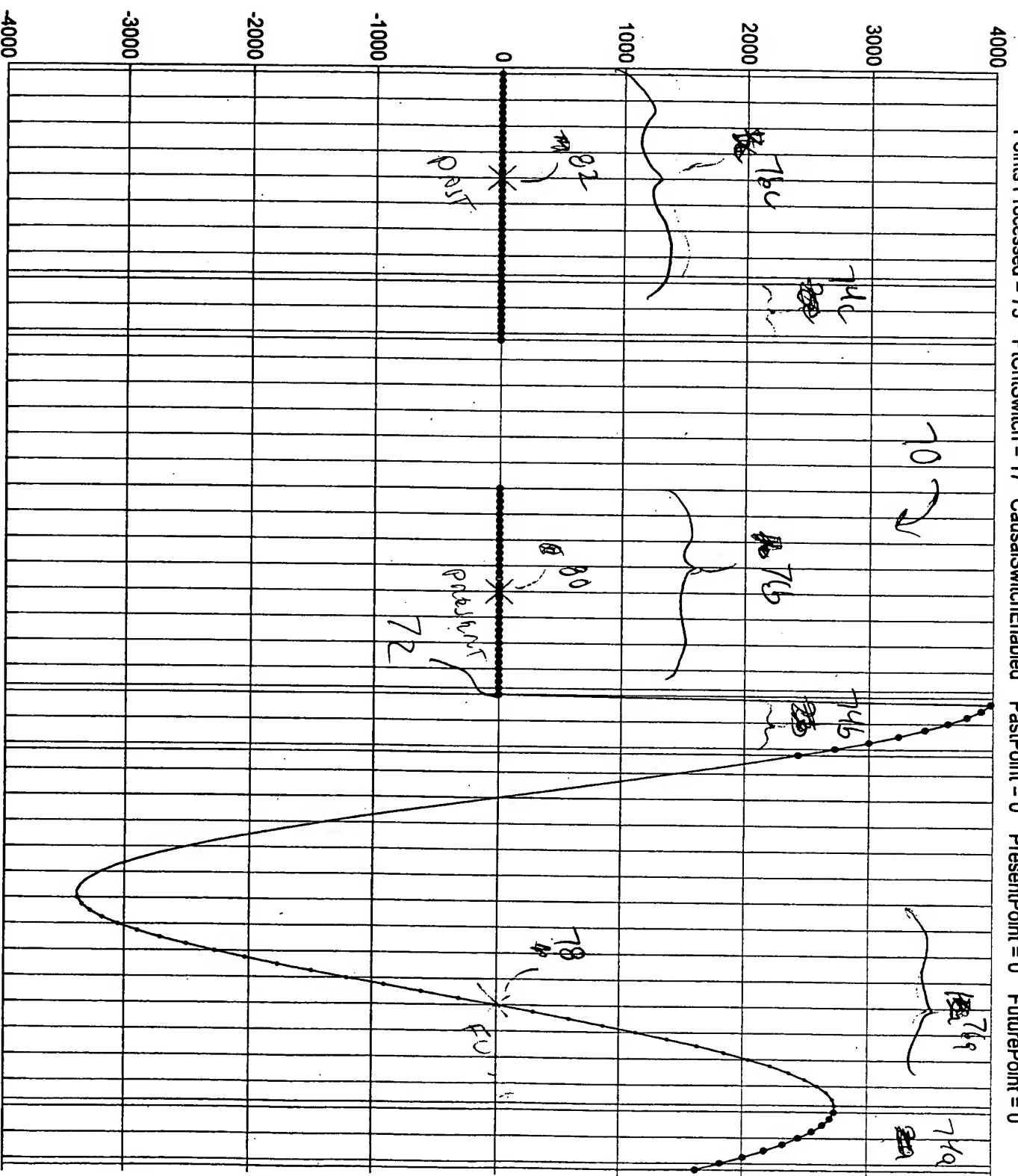


FIG. 8

Points Processed = 73 PtCntSwitch = 17 CausaSwitchEnabled PastPoint = 0 PresentPoint = 0 FuturePoint = 0

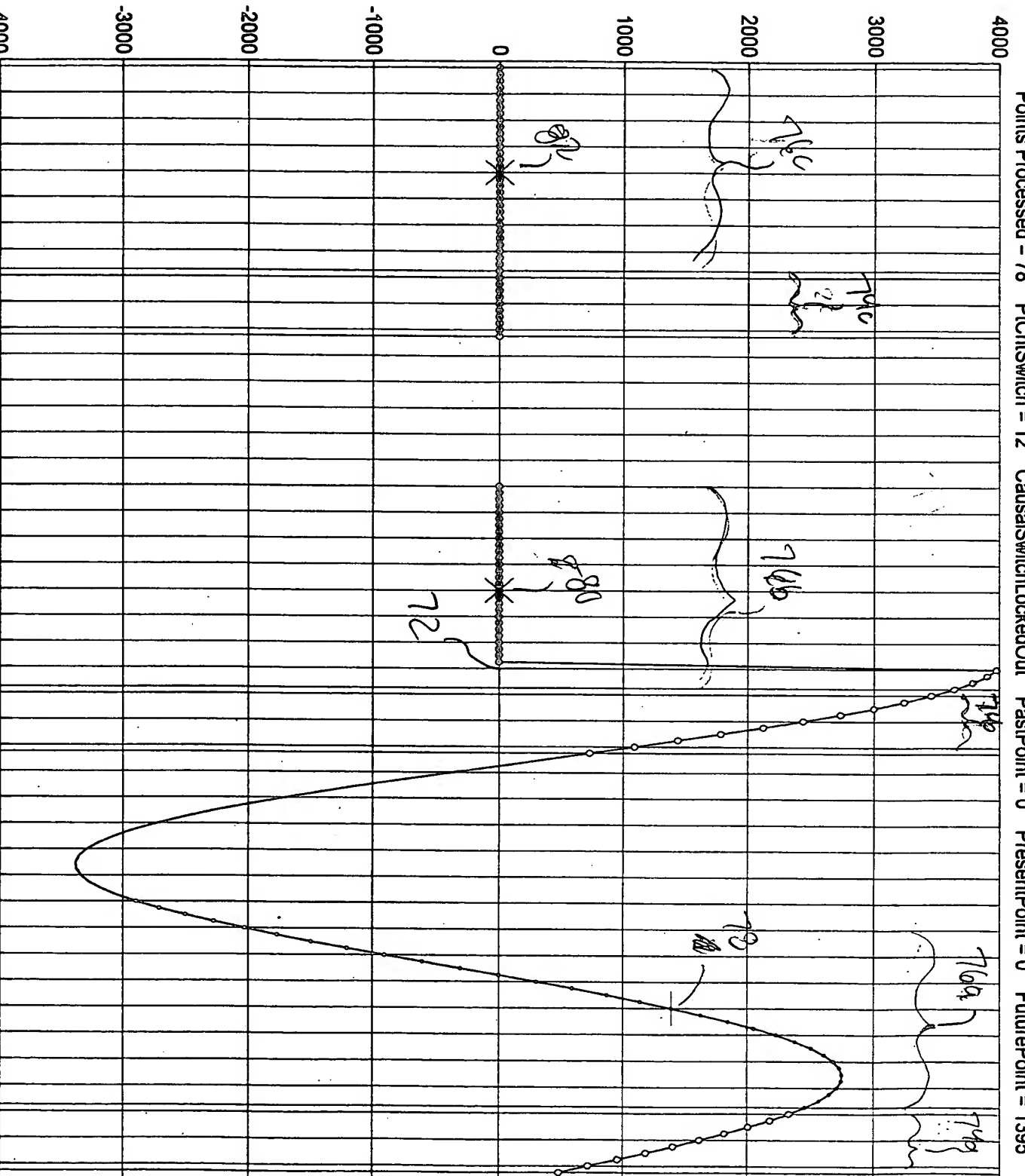


169.686258 54.50 48.42 38.34 30.28 22.18 14.10 08.02 94.90 86.82 78.74 70.66 62.58 54.50 46.42 38.34 30.26 22.18 14.10 6 2

DPM adjusted data = 0 DPMFactor = 1 DPM Status = DPM Inhibit Low Amp DPM Num = 0 DPM Den = 0

FIG. 9

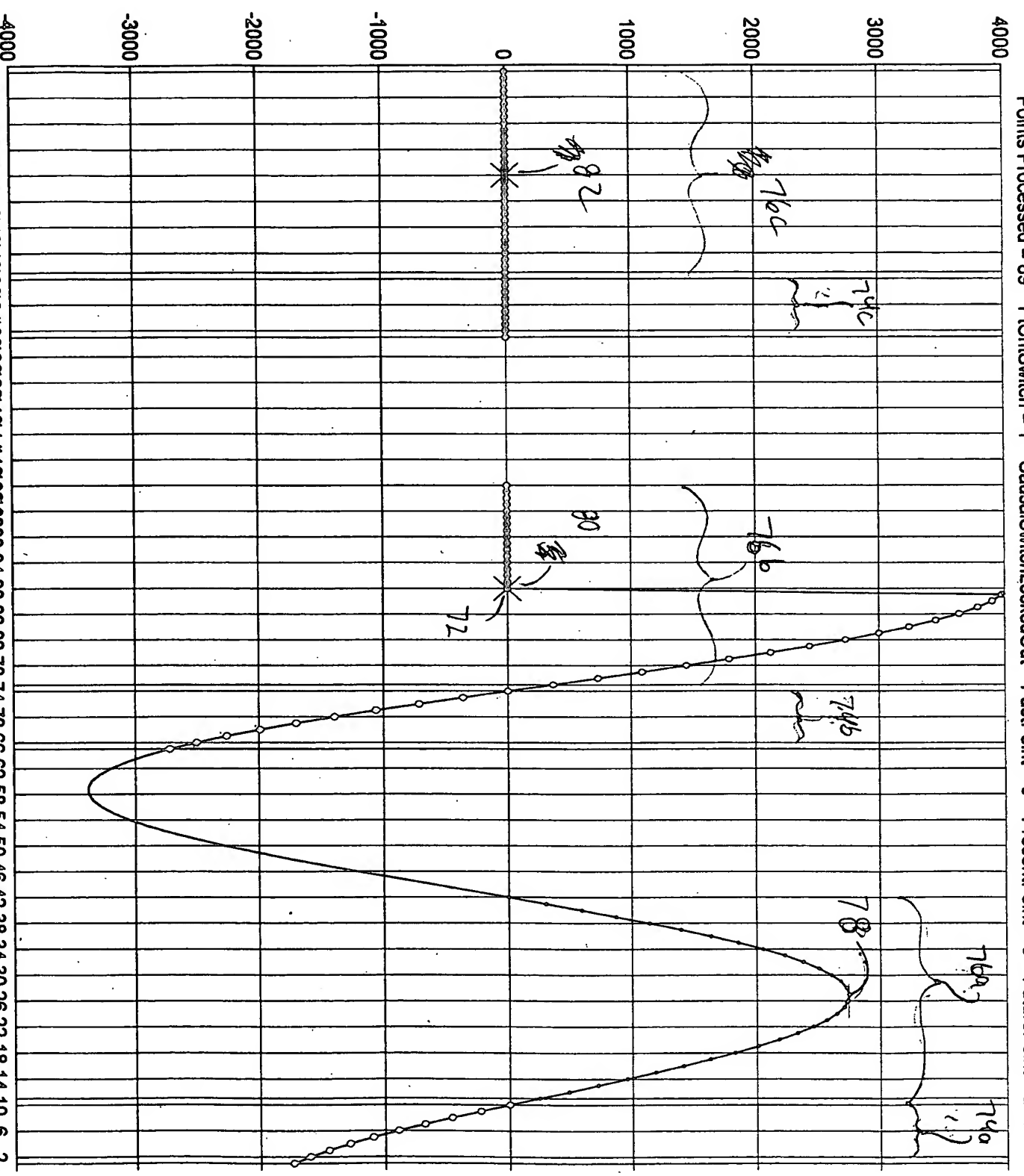
Points Processed = 78 PtcnSwitch = 12 CausalSwitchLockedOut PastPoint = 0 PresentPoint = 0 FuturePoint = 1395



169 66 62 58 54 50 46 42 38 34 30 26 22 18 14 10 6 2
DPM adjusted data = 0 DPMFactor = 1 DPM Status = Num (Prsn) frozen from c switch DPM Inhibt Low Amp DPM Num = 0 DPM Den = 0

F1G.10

Points Processed = 89 PCntSwitch = 1 CausalSwitchLockedOut PastPoint = 0 PresentPoint = 0 FuturePoint = 2740



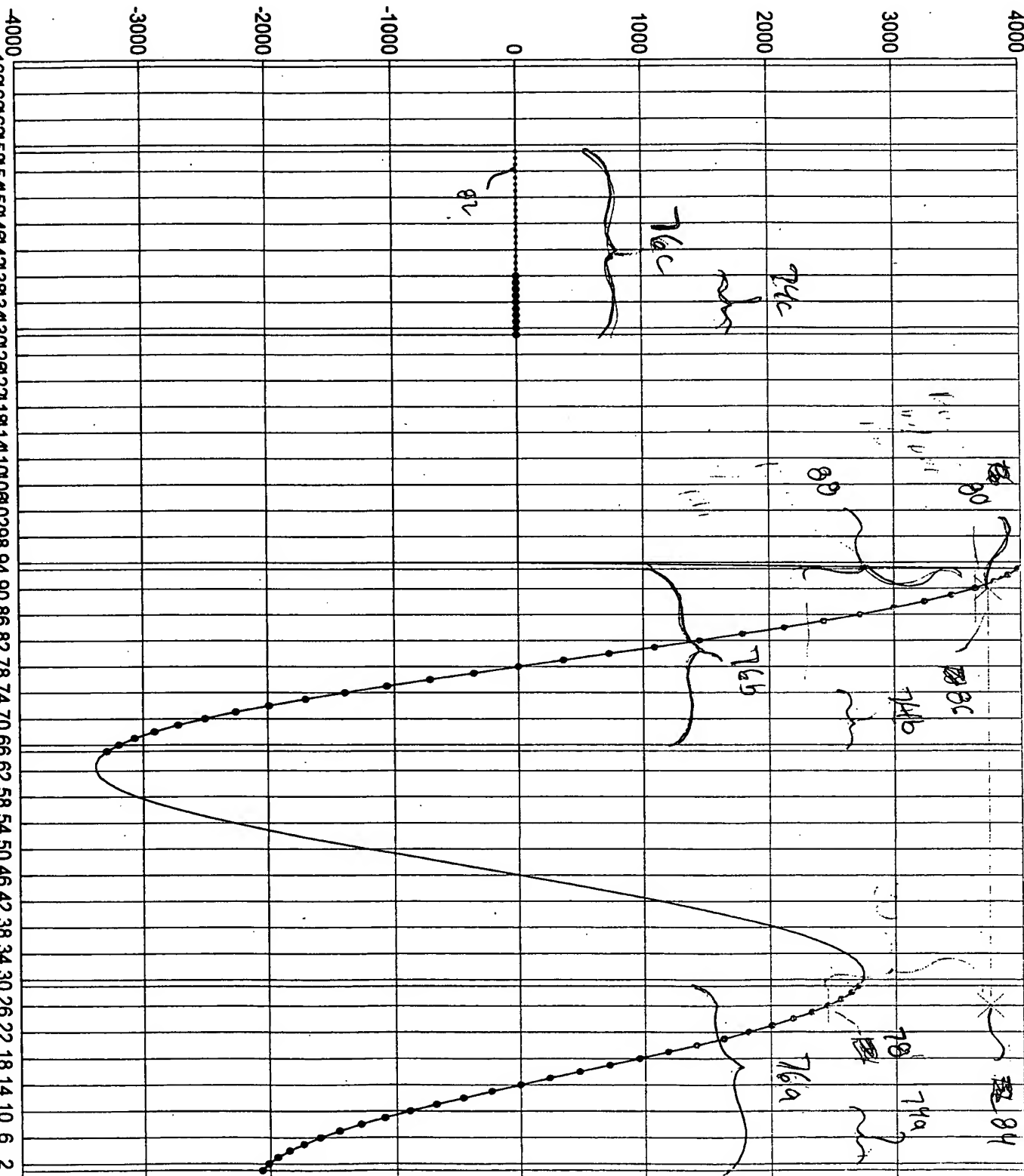
DPW adjusted data = 0 DPMFactor = 1 DPM Status = Num (Prsn) frozen from c switch DPM Inhib Low Amp DPM Num = 0 DPM Den = 0

F16.11

70 →



Points Processed = 93 PtCntSwitch = -3 CausalSwitchLockedOut PastPoint = 0 PresentPoint = 3640 FuturePoint = 2457

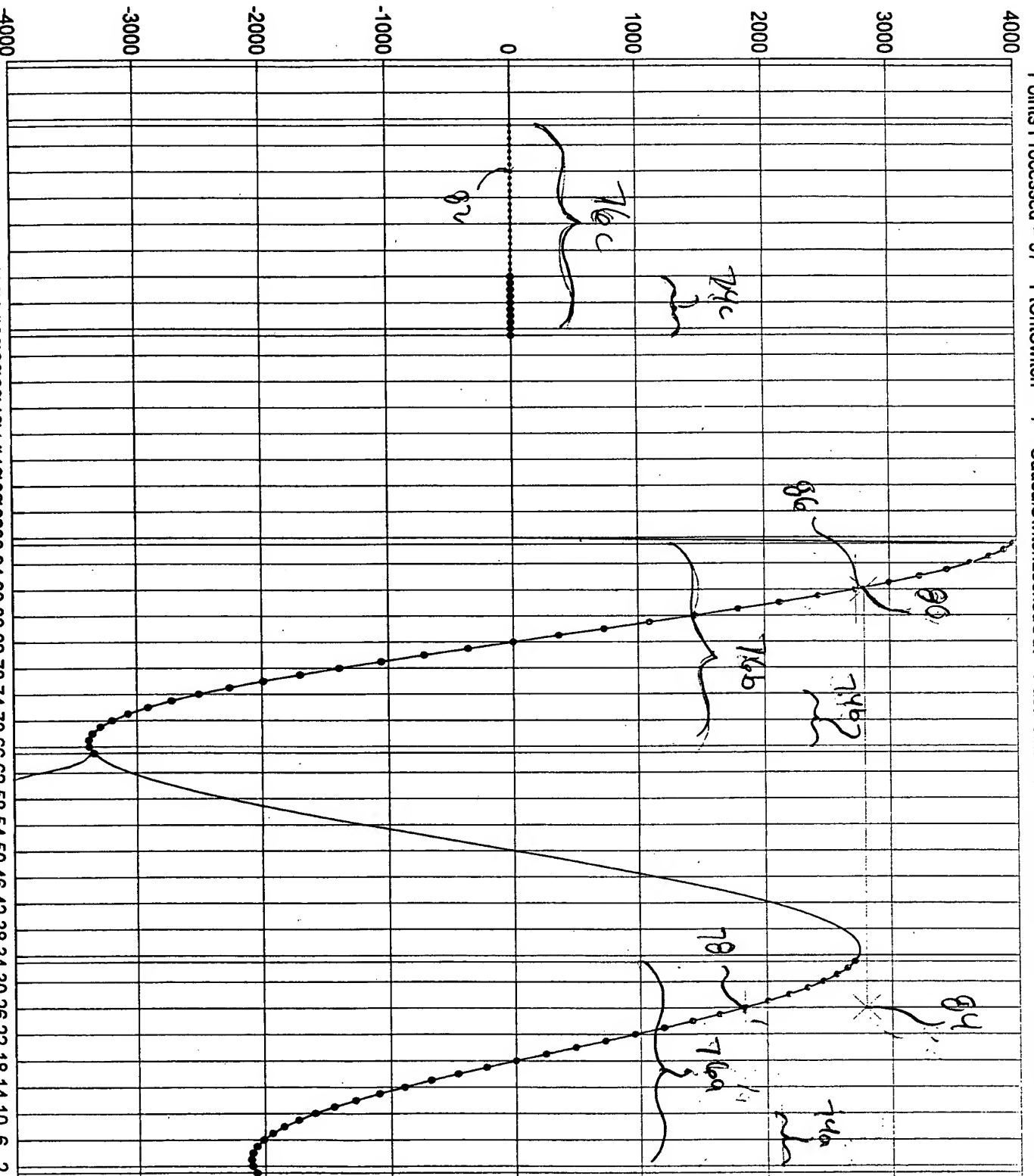


16966 62 58 54 50 46 42 38 34 30 26 22 18 14 10 06 02 98 94 90 86 82 78 74 70 66 62 58 54 50 46 42 38 34 30 26 22 18 14 10 6 2
 DPM adjusted data = 3740 DPMFactor = 1.522 DPM Status = DPM span & center adjusting DPM Num = 64865 DPM Den = 42618

FIG. 13

70 →

Points Processed = 97 PtCntSwitch = -7 CausalSwitchLockedOut PastPoint = 0 PresentPoint = 2729 FuturePoint = 1824



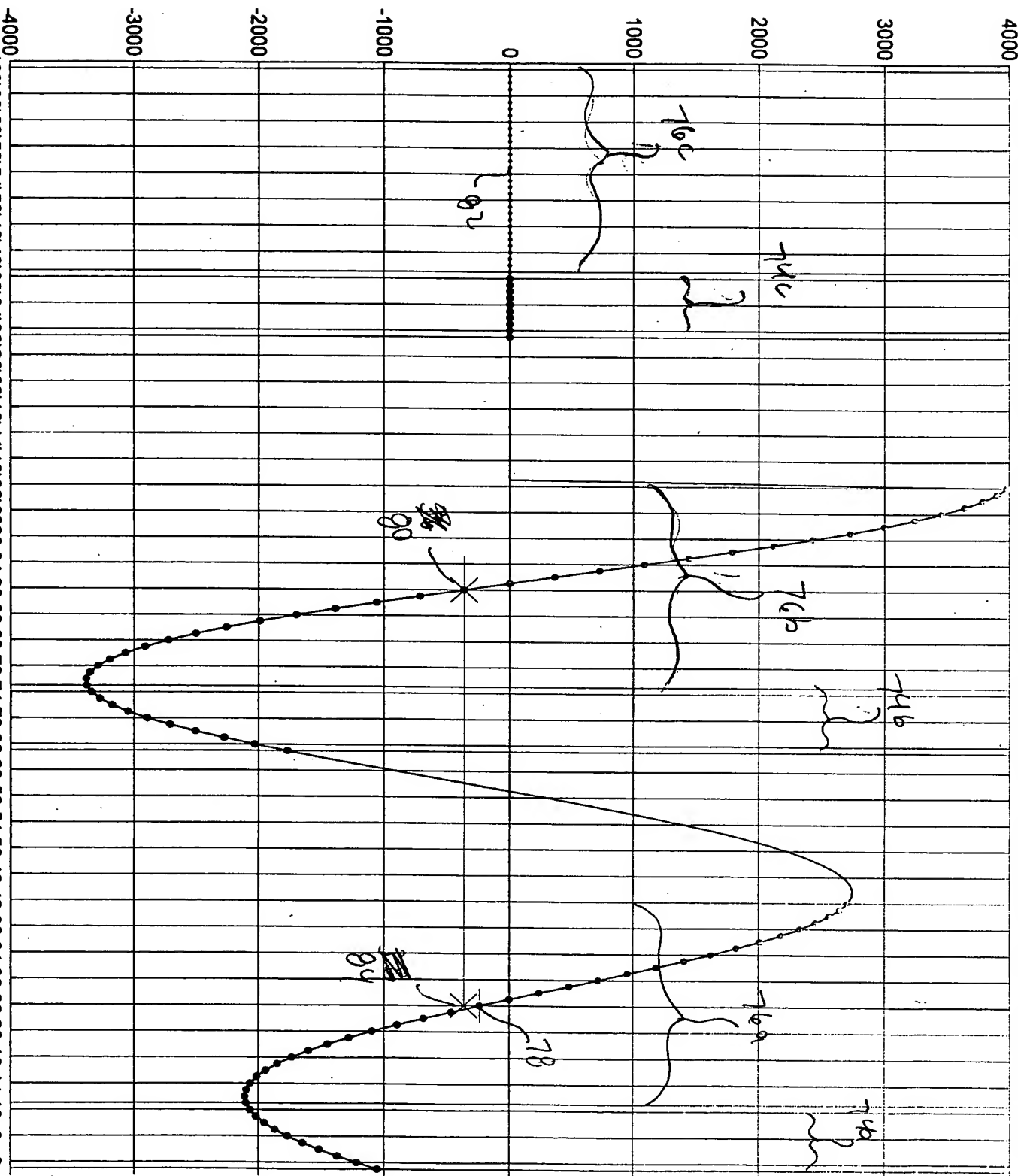
169 168 167 166 165 164 163 162 161 160 159 158 157 156 155 154 153 152 151 150 149 148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 129 128 127 126 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103 102 101 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

DPM adjusted data = 2795 DPMFactor = 1.5326 DPM Status = DPM span & center adjusting DPM Num = 74982 DPM Den = 48925

Fig. 14

70 →

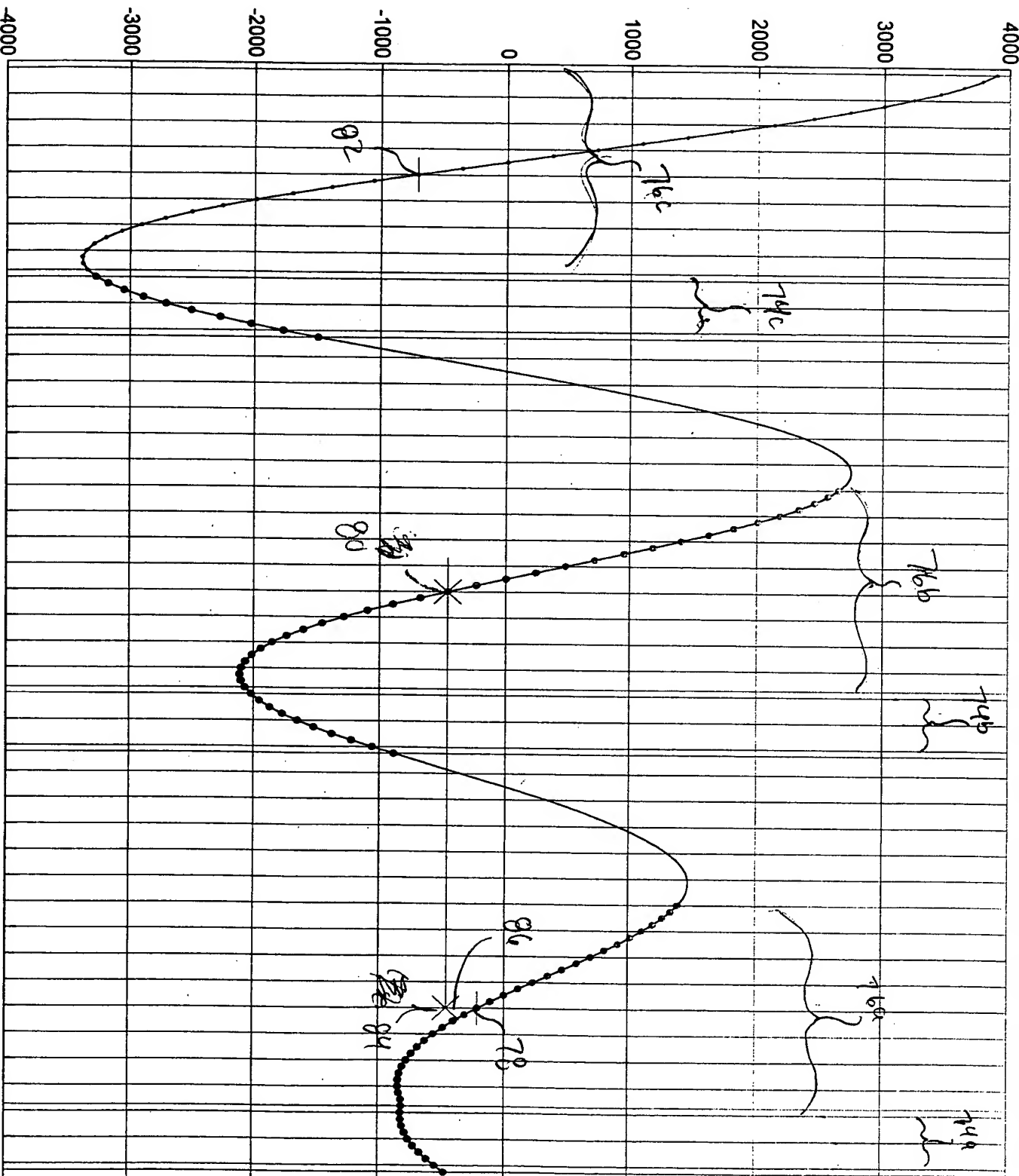
Points Processed = 106 P/CntSwitch = 17 CausalswitchEnabled PastPoint = 0 PresentPoint = -360 FuturePoint = -235



169 68 62 58 54 50 46 42 38 34 30 26 22 18 14 10 6 2
 DPM adjusted data = -361 DPMFactor = 1.5326 DPM Status = Normal DPM Num = 74982 DPM Den = 48925

F16. 15

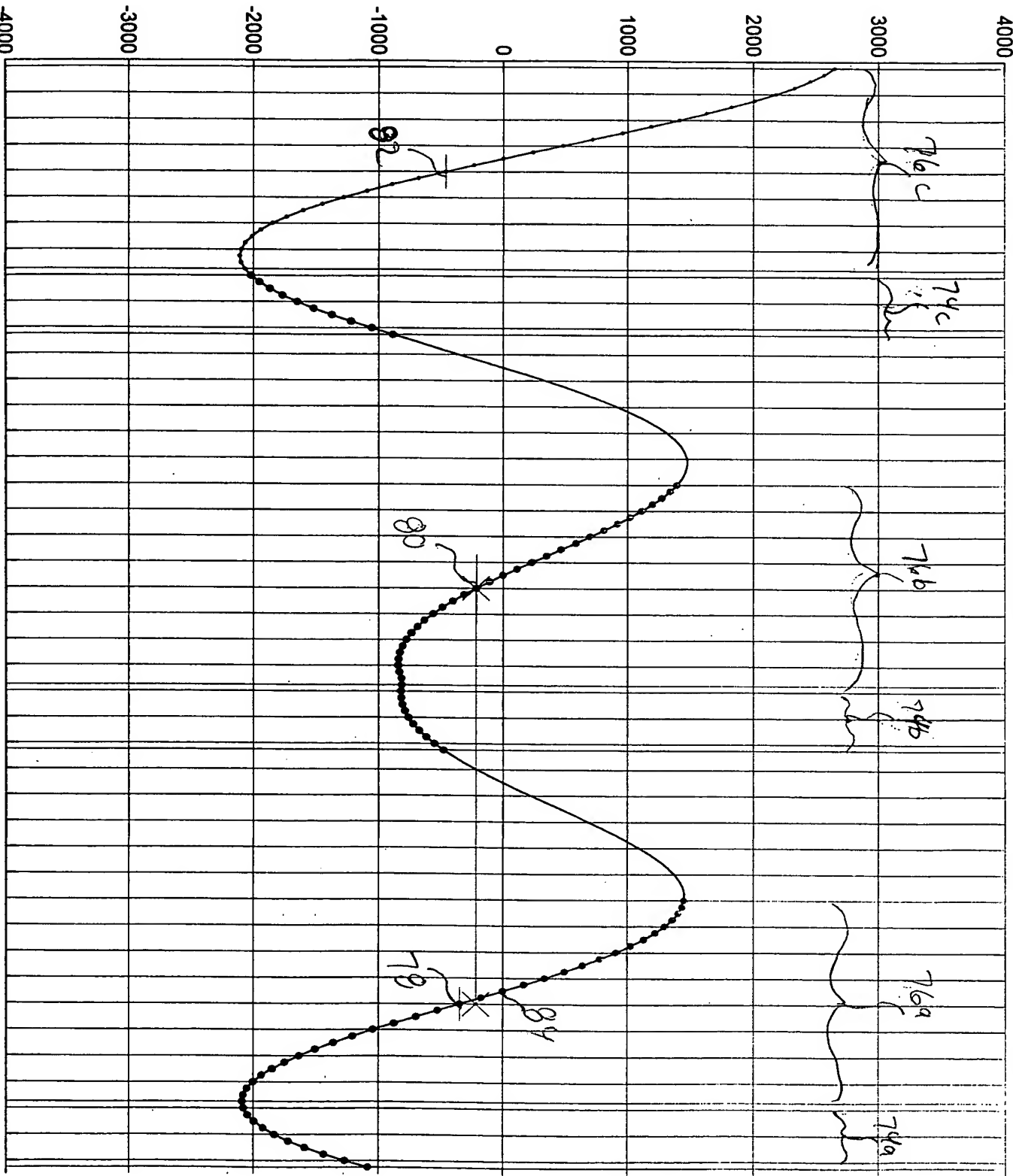
Points Processed = 171 P1CntSwitch = 17 CausalSwitchEnabled PastPoint = -714 PresentPoint = -464 FuturePoint = -214



169168162158545014614213834130126122118141101080298949086827874706662585450464238343026221814106
 DPM adjusted data = -465 DPMFactor = 2.1699 DPM Status = Normal DPM Num = 48288 DPM Den = 22254

Fig. 16

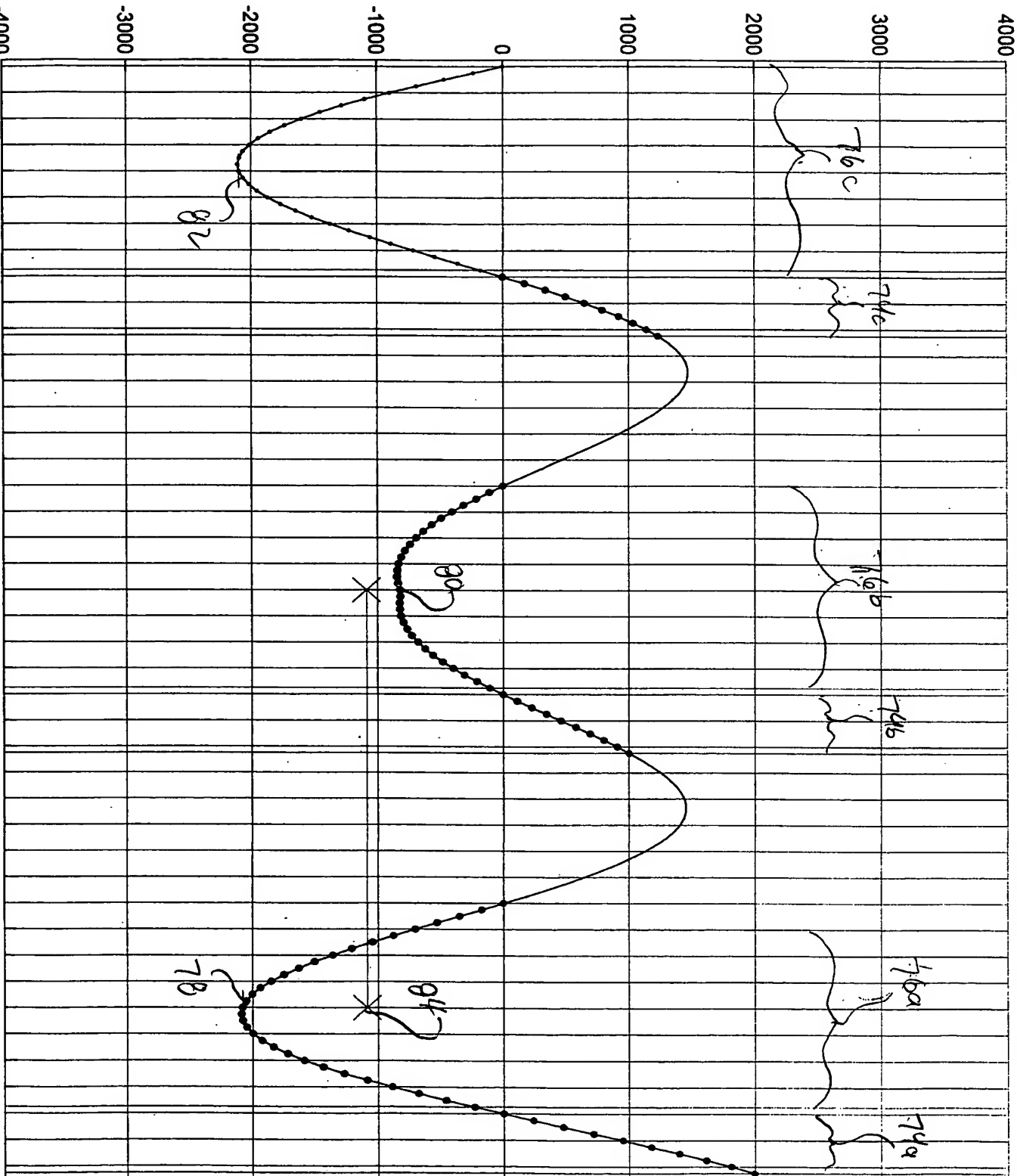
Points Processed = 235 PtCntSwitch = 15 CausalSwitchLockedOut PastPoint = -464 PresentPoint = -214 FuturePoint = -351



16966625854501461421383430261221814100802989490868278747066625854504642383430262218141062
DPM adjusted data = -217 DPMFactor = 0.61591 DPM Status = Den (Future) frozen from c switch DPM Num = 22254 DPM Den = 36132

FIG. 17

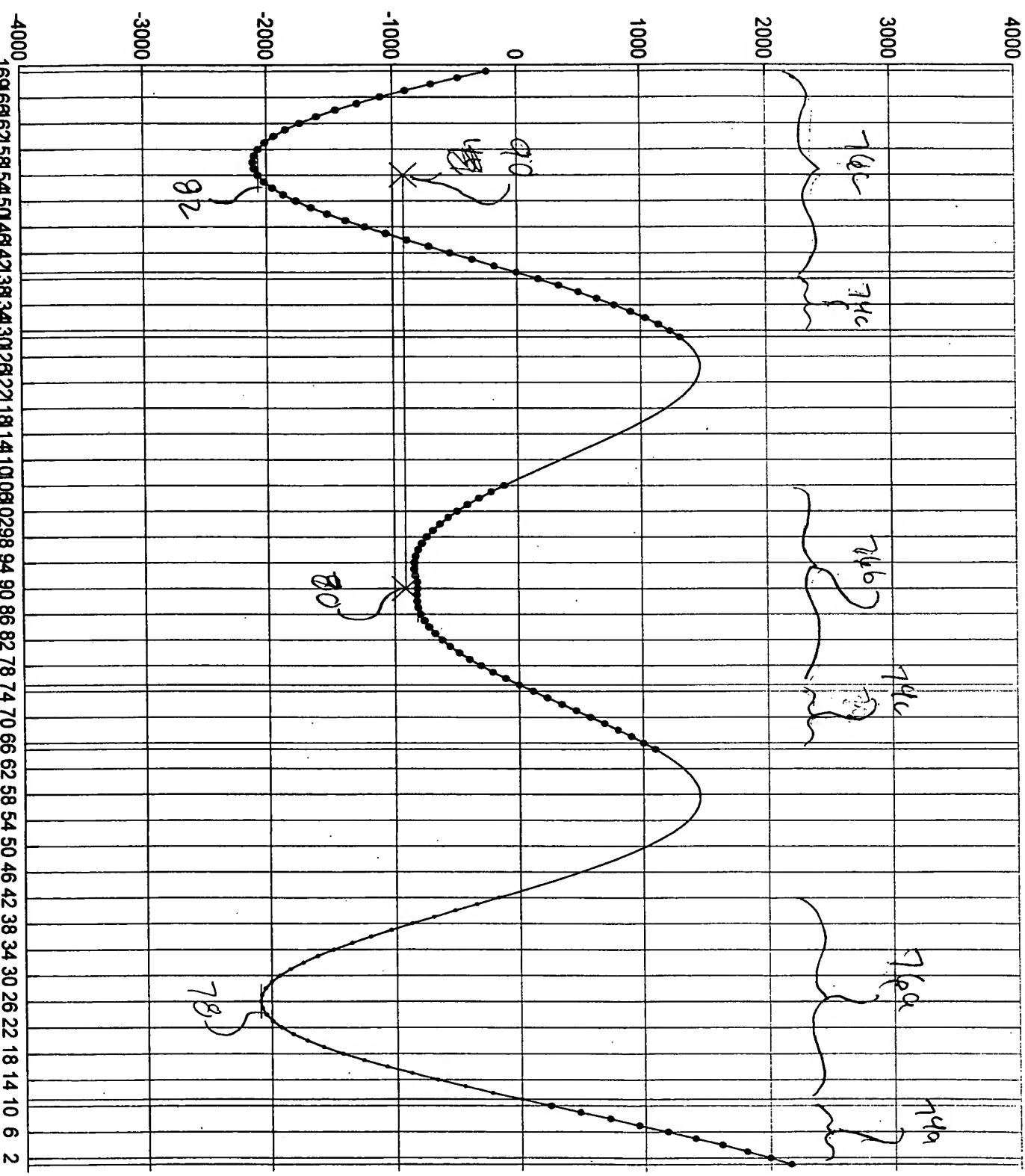
Points Processed = 249 PtCntSwitch = 1 CausaSwitchLockedOut PasrPoint = -2100 PresentPoint = -820 FuturePoint = -2080



169166621585450146142138343026122118141100802989490868278747066625854504642383430262218141062
DPM adjusted data = -1085 DPMFactor = 0.52142 DPM Status = Den (Future) frozen from c switch DPM Num = 18840 DPM Den = 36132

F16. 18

Points Processed = 250 P/CntSwitch = 0 CausalSwitchLockedOut PastPoint = -2069 PresentPoint = -816 FuturePoint = -2089



16966621585450464238134302822181410080298 94 90 86 82 78 74 70 66 62 58 54 50 46 42 38 34 30 26 22 18 14 10 6 2
 DPM adjusted data = -913 DPM Factor = 0.44088 DPM Status = Normal DPM Num = 18840 DPM Den = 42733

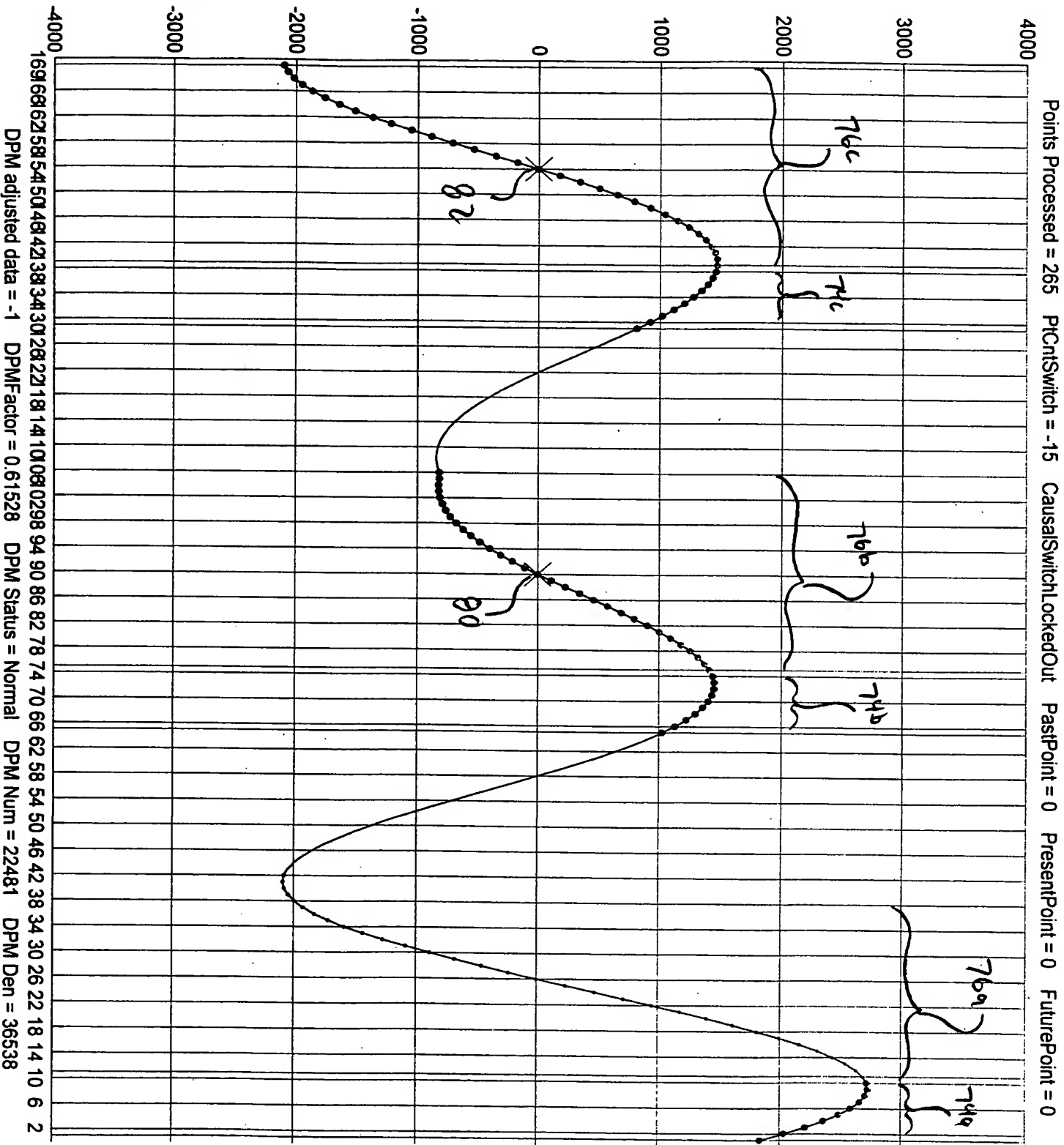
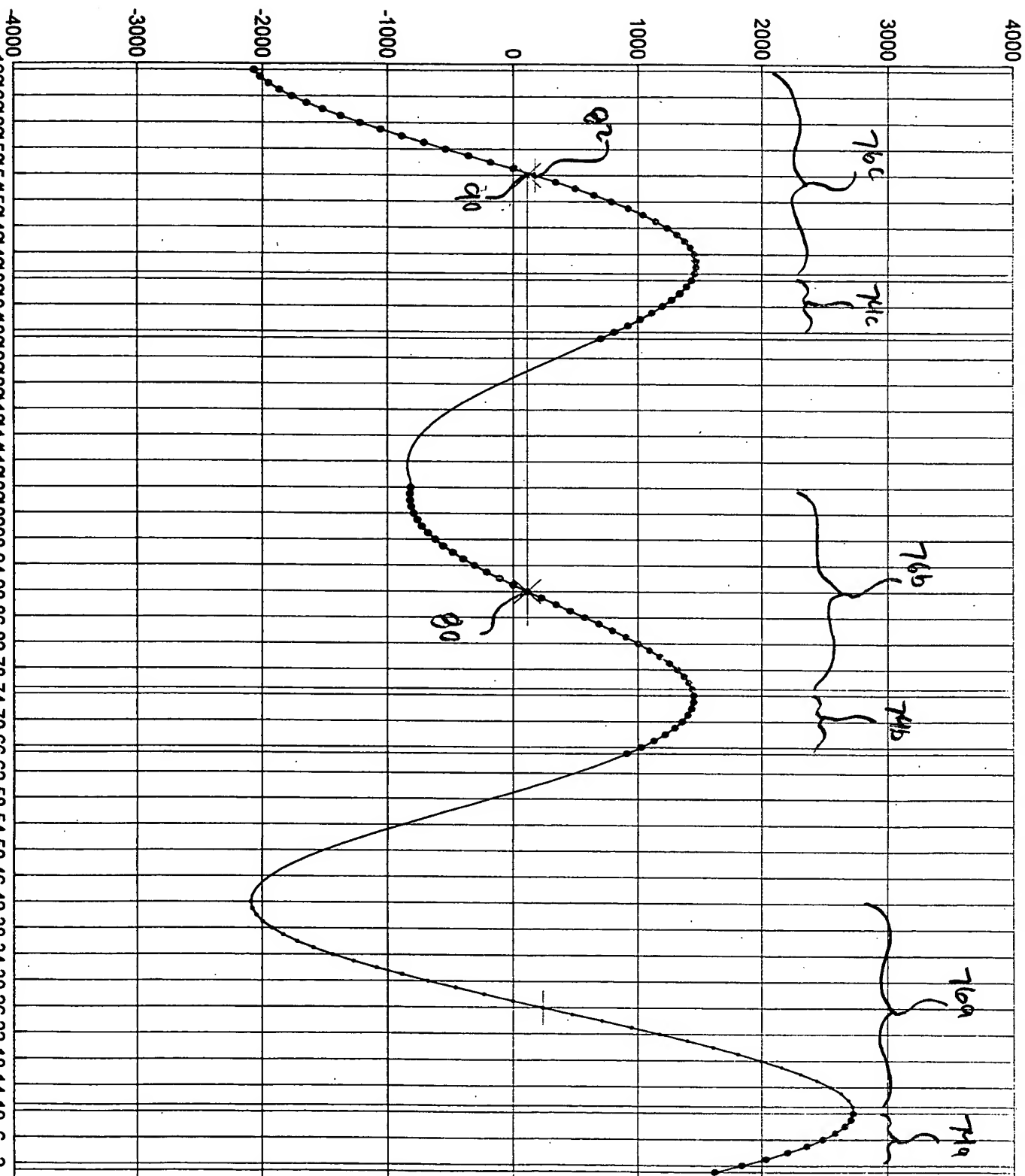
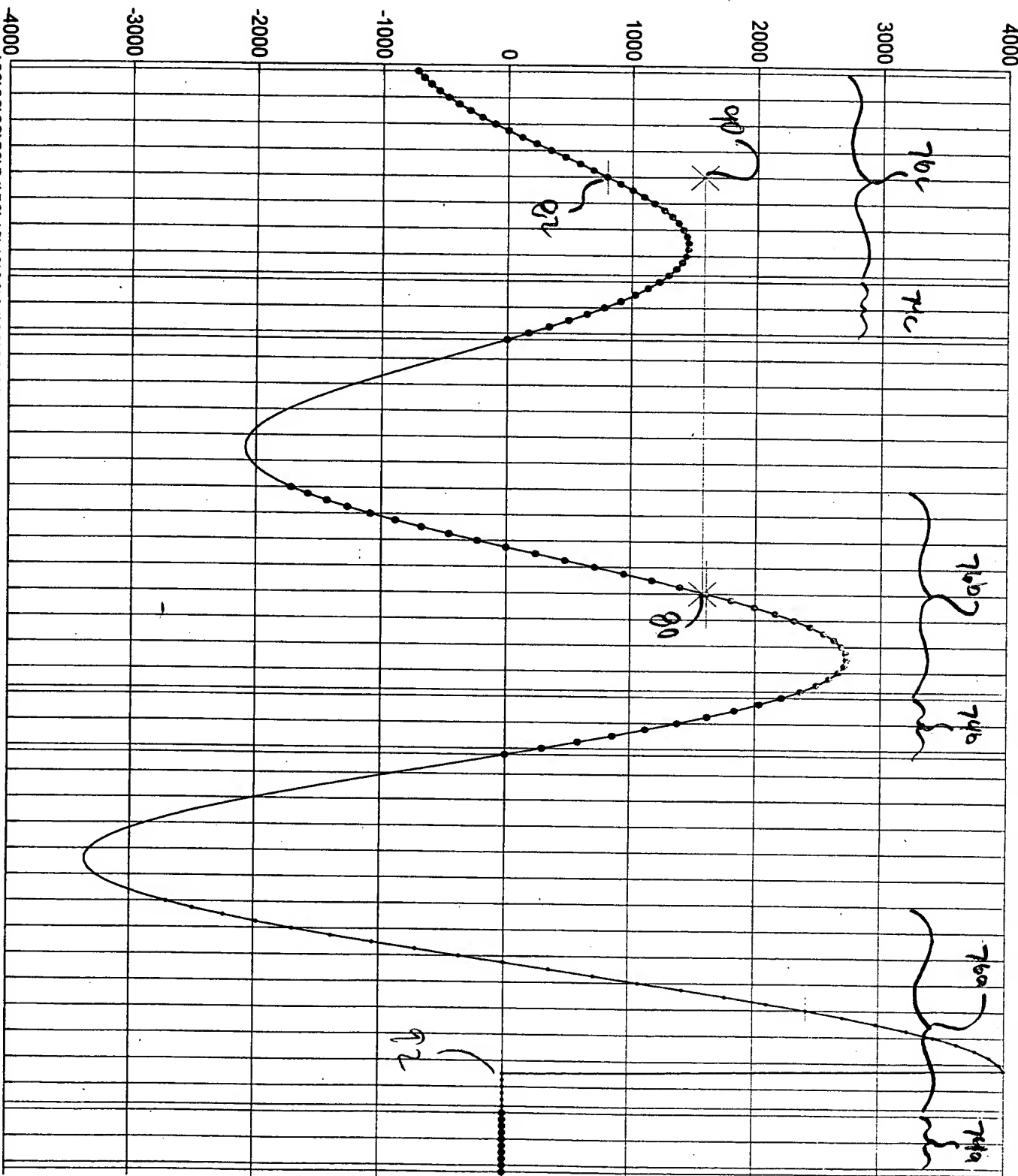


Fig. 20

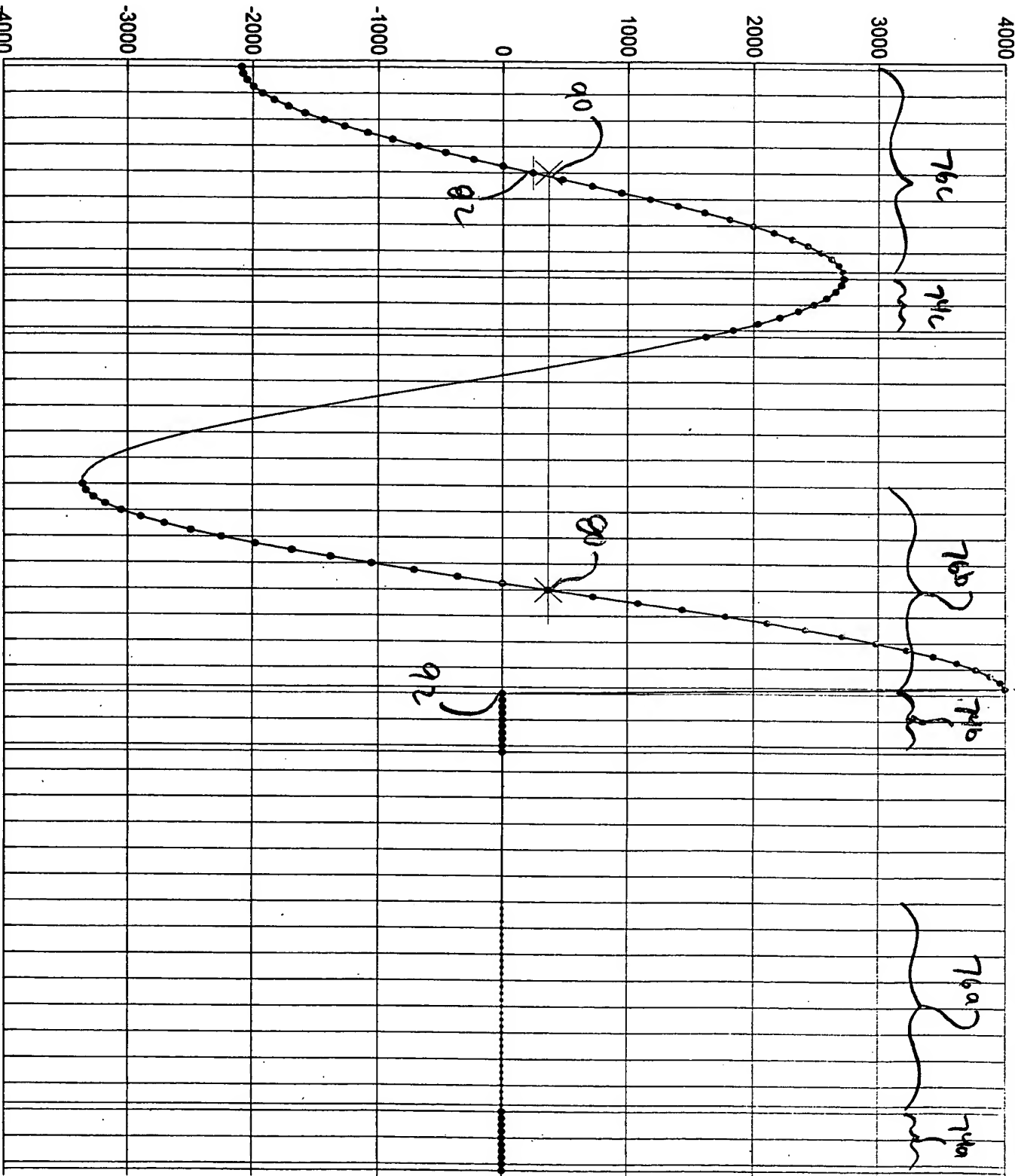


169 68 62 58 54 50 46 42 38 34 30 26 22 18 14 10 06 02 98 94 90 86 82 78 74 70 66 62 58 54 50 46 42 38 34 30 26 22 18 14 10 6 2
 DPM adjusted data = 111 DPM Factor = 0.64352 DPM Status = Normal DPM Num = 23101 DPM Den = 35898



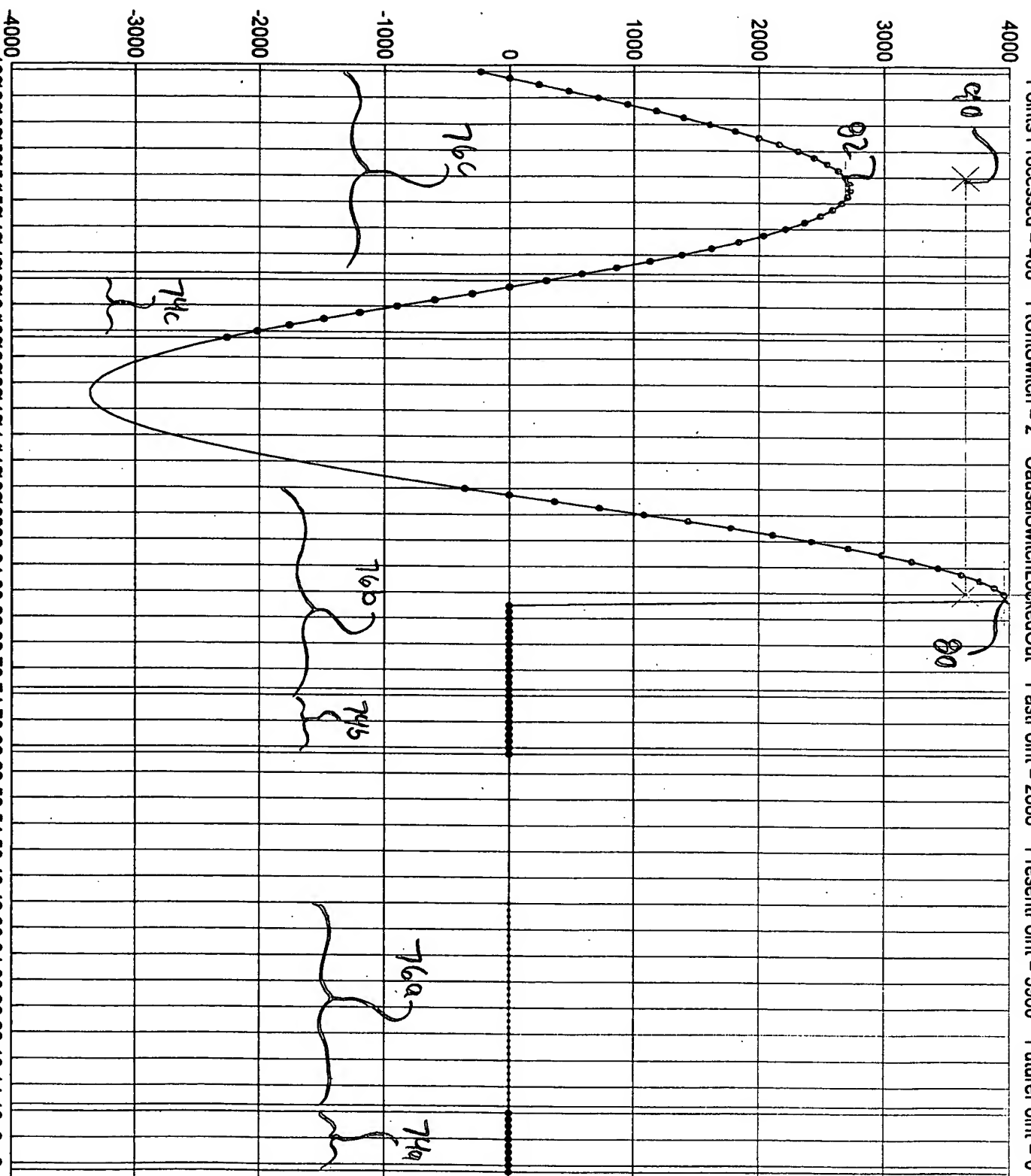
16966 2158 5450 4642 3834 3026 2218 1410 0602 9894 9086 8278 7470 6662 5854 5046 4238 3430 2622 1814 106 22 18 14 10 6 2
 DPM adjusted data = 1580 DPMFactor = 1.9772 DPM Status = Normal DPM Num = 52725 DPM Den = 26667

Points Processed = 394 PICntSwitch = 16 CausalsSwitchLockedOut PastPoint = 237 PresentPoint = 362 FuturePoint = 0



DPM adjusted data = 363 DPMFactor = 1.5299 DPM Status = Normal DPM Num = 75211 DPM Den = 49160

Points Processed = 408 PtCntSwitch = 2 CausalSwitchLockedOut PastPoint = 2686 PresentPoint = 3960 FuturePoint = 0

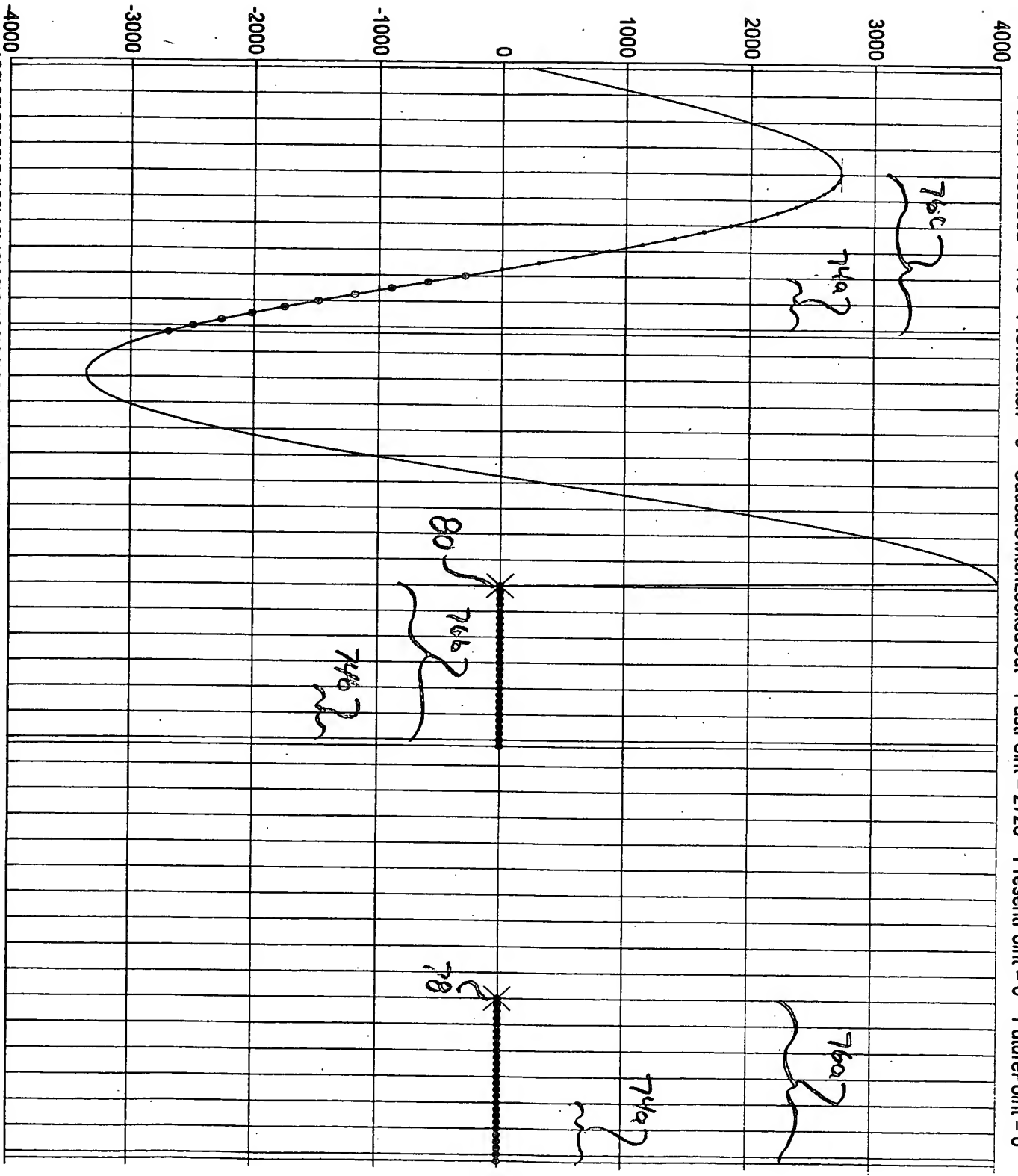


1696 62 58 54 50 46 42 38 34 30 26 22 18 14 10 08 02 98 94 90 86 82 78 74 70 66 62 58 54 50 46 42 38 34 30 26 22 18 14 10 6 2
 DPM adjusted data = 3654 DPMFactor = 1.3603 DPM Status = Num (Prism) frozen from c switch DPM Num = 75211 DPM Den = 55291

F16. 24

70 →

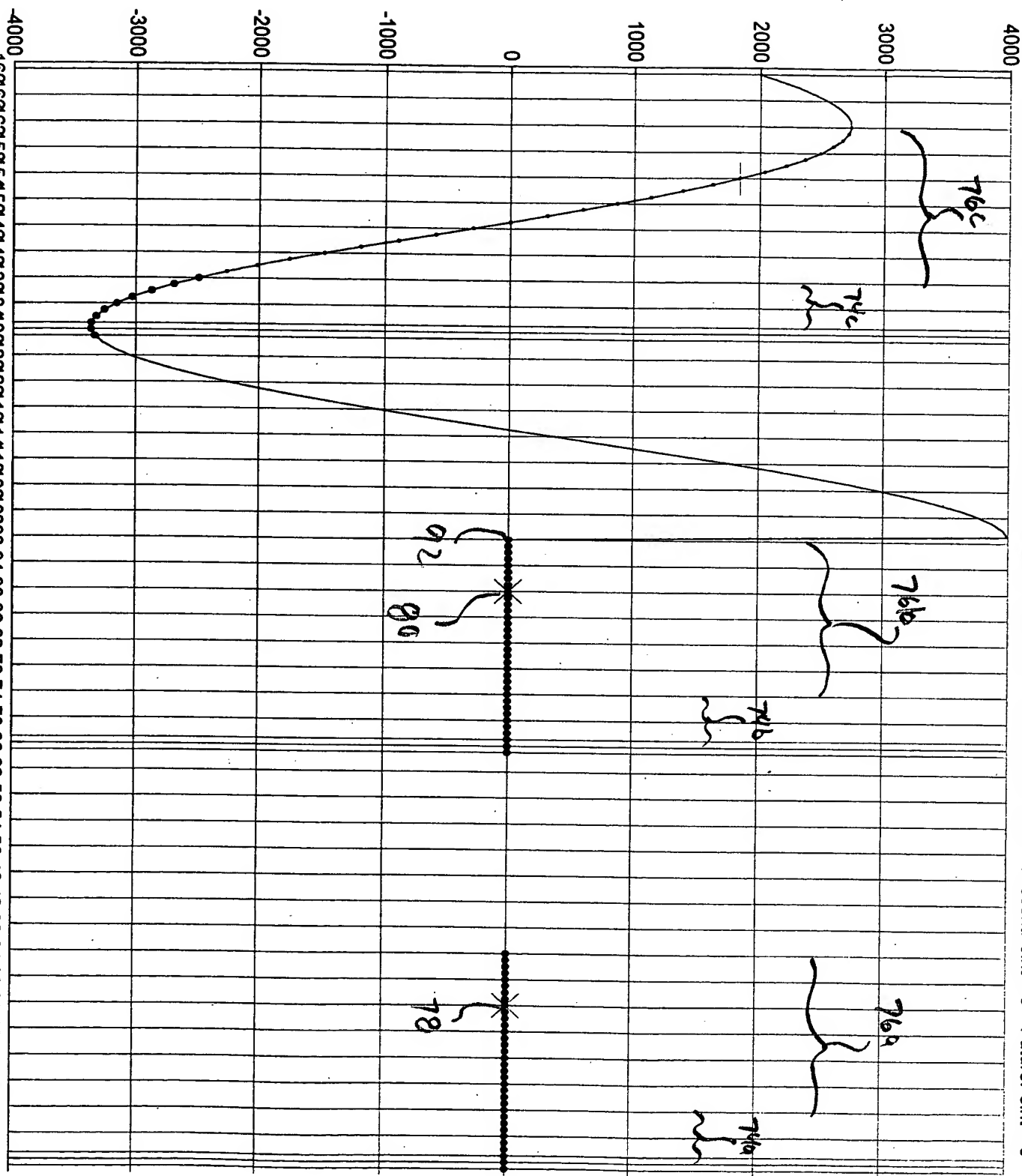
Points Processed = 410 PtCntSwitch = 0 CausalSwitchLockedOut PastPoint = 2726 PresentPoint = 0 FuturePoint = 0



169 68 62 58 54 50 46 42 38 34 30 26 22 18 14 10 6 2
 DPM adjusted data = 0 DPMFactor = 1 DPM Status = DPM span & center adjusting DPM Inhibit Low Amp DPM Num = 0 DPM Den = 0

FIG. 25

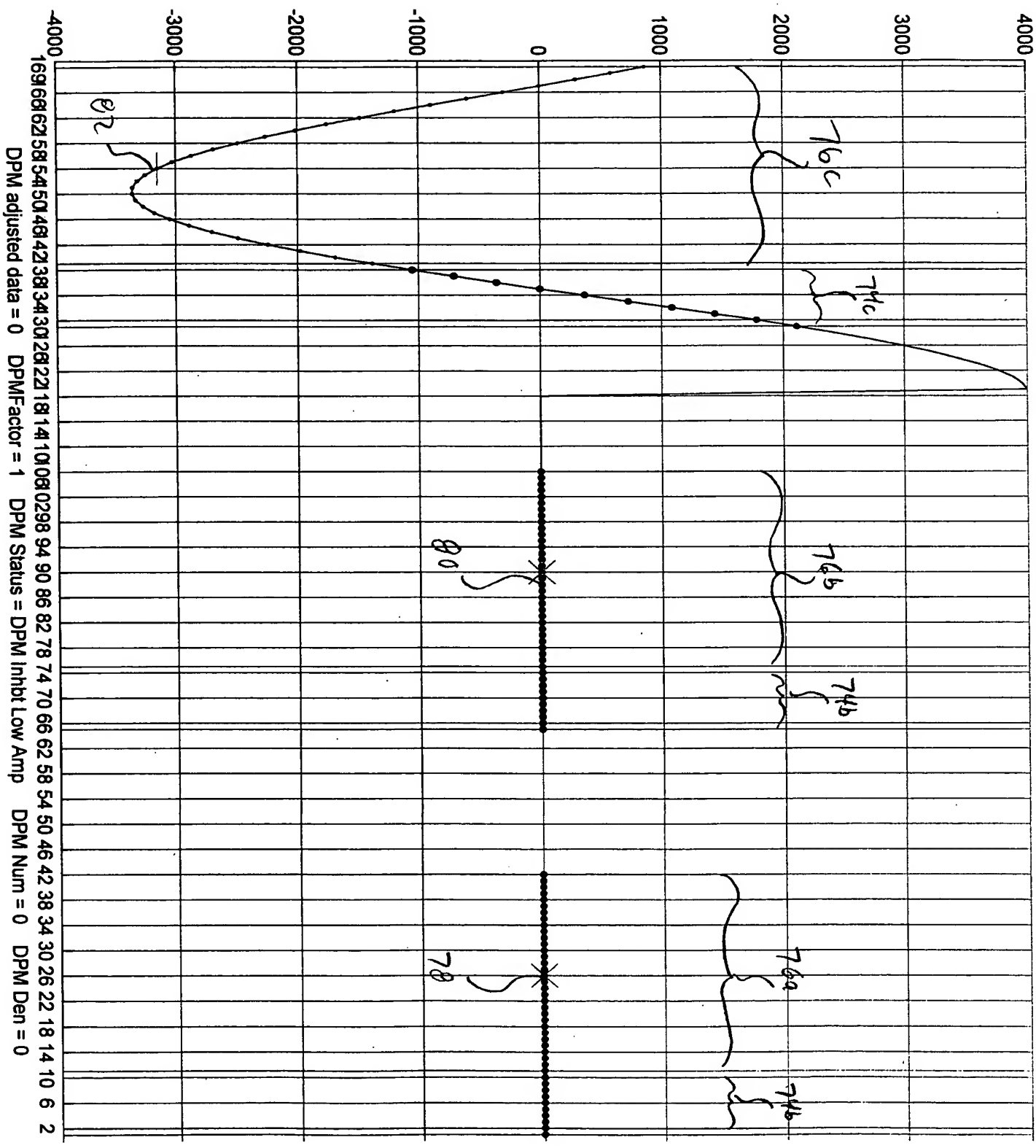
Points Processed = 418 P1CntSwitch = -8 CausalSwitchLockedOut PastPoint = 1839 PresentPoint = 0 FuturePoint = 0



169 68 62 58 54 50 46 42 38 34 30 26 22 18 14 10 06 2 94 90 86 82 78 74 70 66 62 58 54 50 46 42 38 34 30 26 22 18 14 10 6 2
DPM adjusted data = 0 DPMFactor = 1 DPM Status = DPM span & center adjusting DPM Inhibit Low Amp DPM Num = 0 DPM Den = 0

F/G, 26

Points Processed = 438 PtCntSwitch = 17 CausalSwitchEnabled PastPoint = -3157 PresentPoint = 0 FuturePoint = 0



F16. 27

Output with causal/non-causal switching, but DPM only in the Past

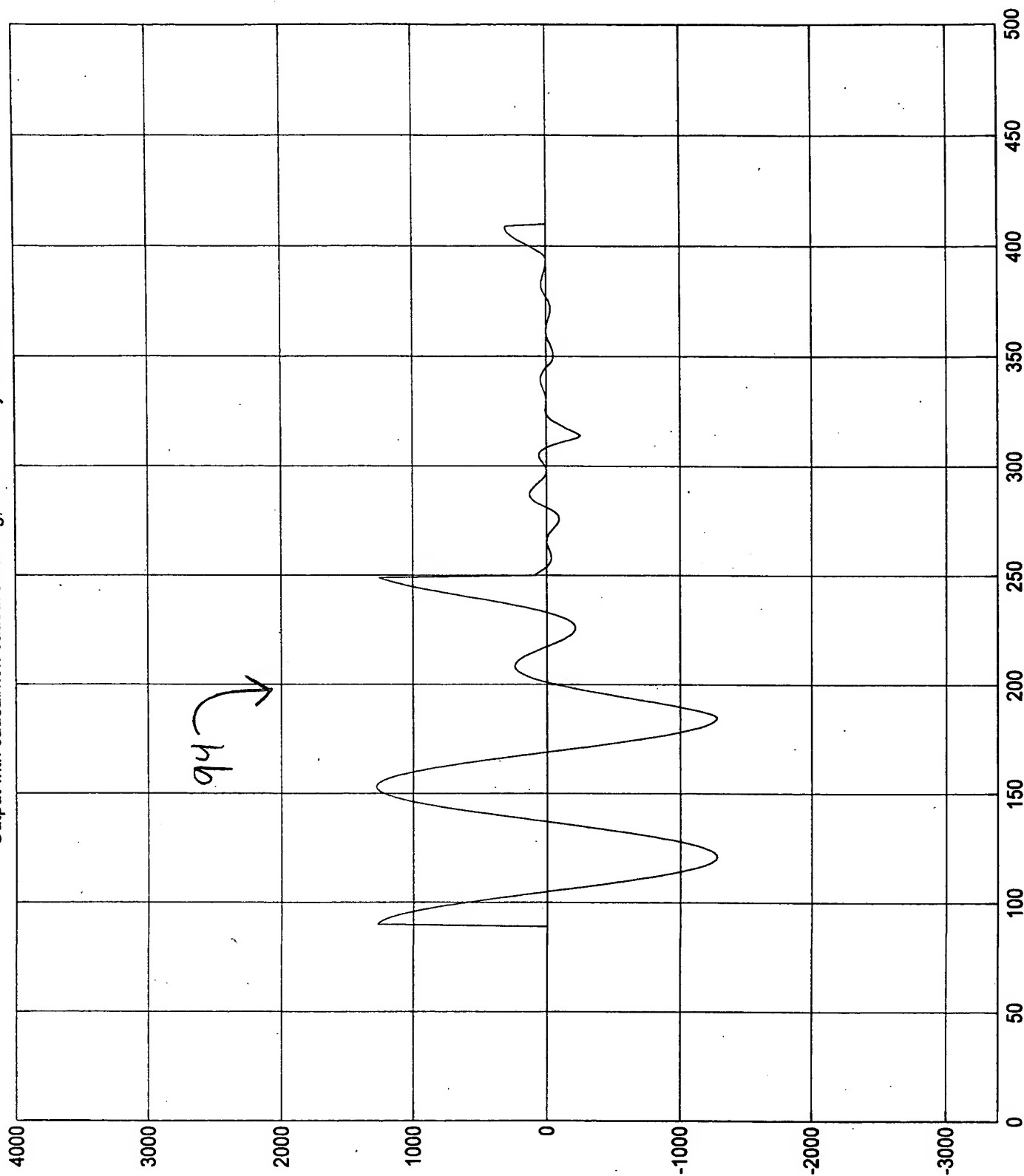


Fig. 28

Output from full NC Switching and DPM

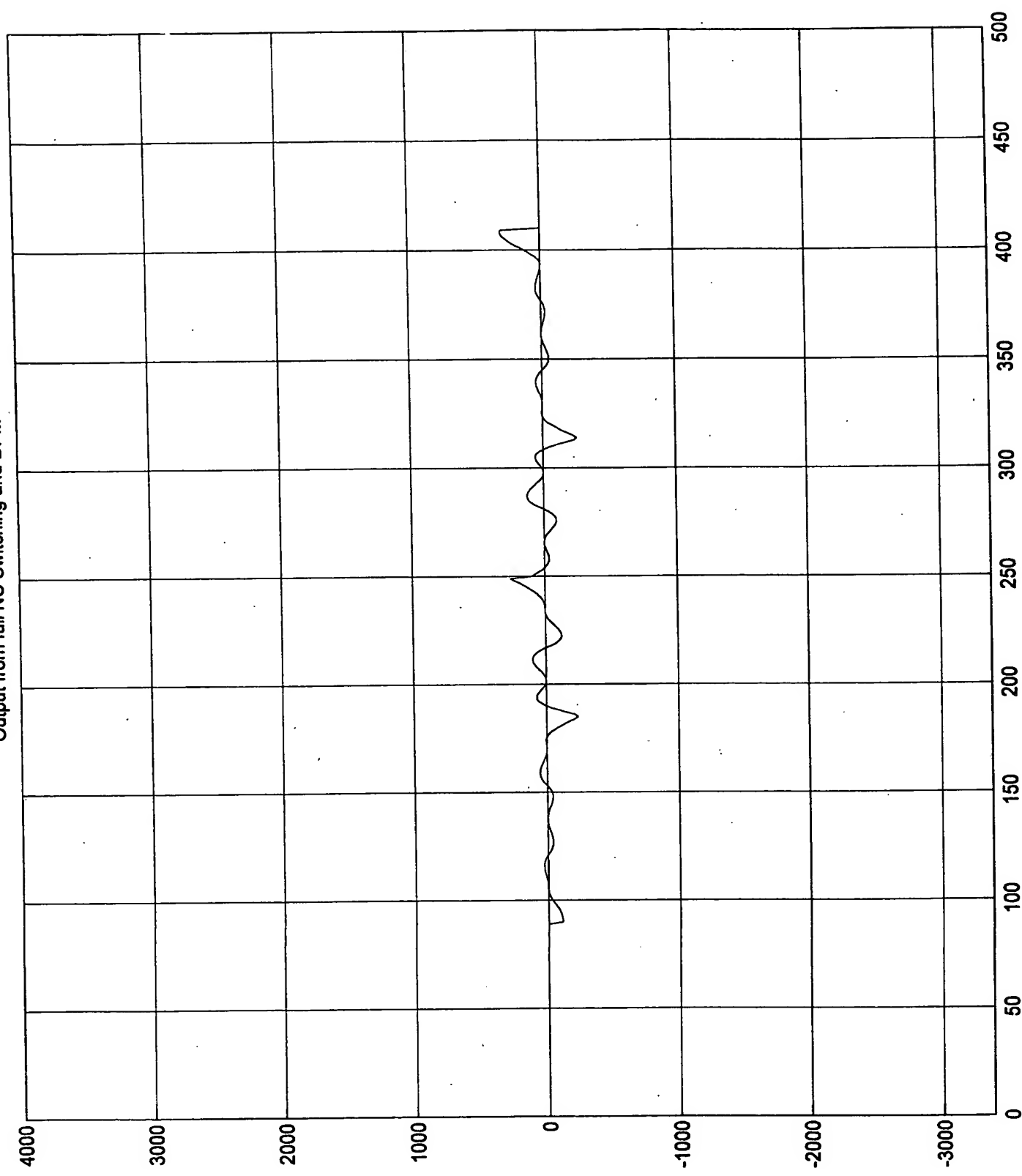
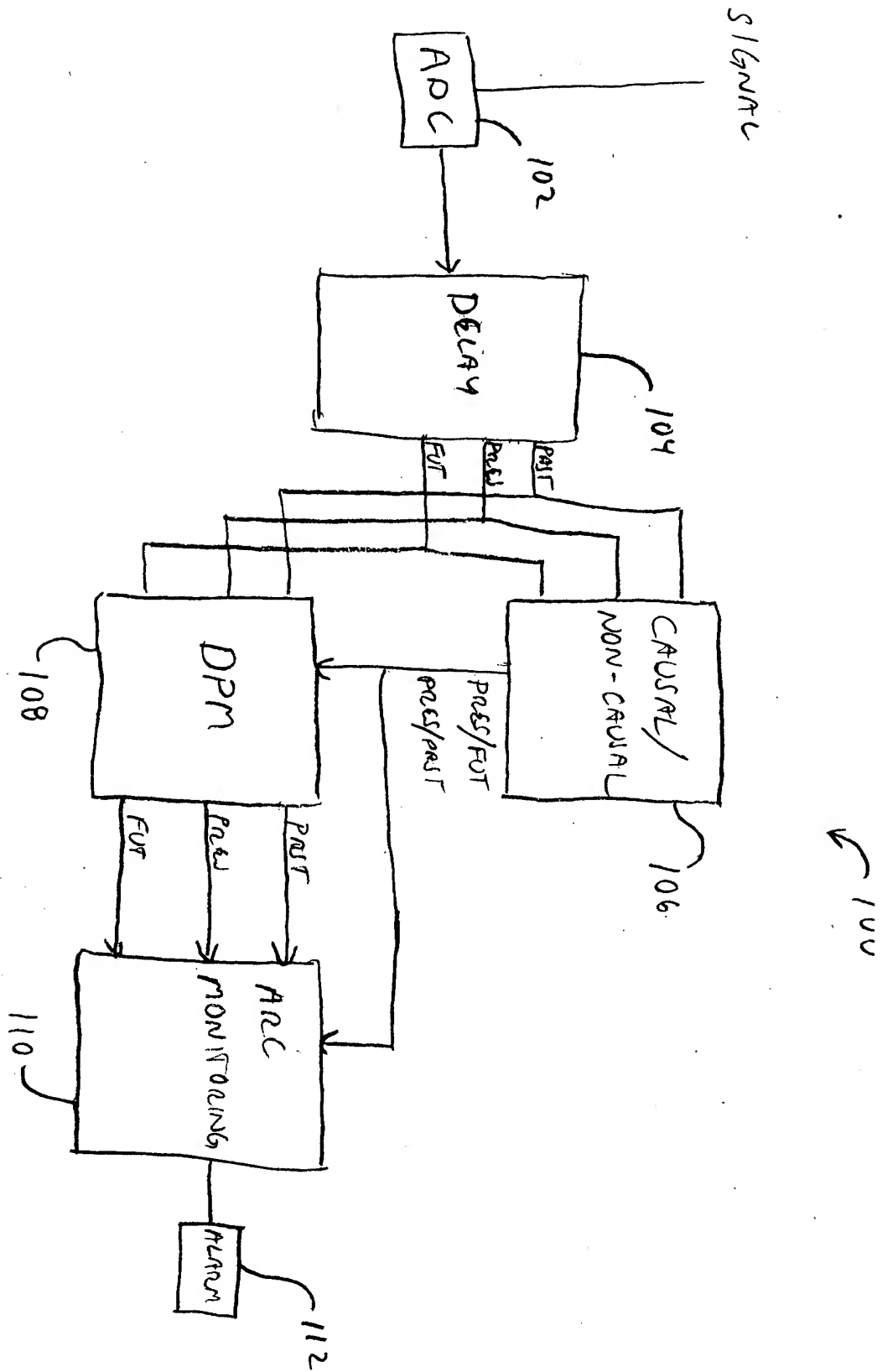


FIG. 29



F16.36